

20020723.qrp v02_n625.qrl.20020723

Date: Tue, 23 Jul 2002 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2625

QRP-L Digest 2625

Topics covered in this issue include:

- 1) [130422] Re: wanted things
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 2) [130423] Re: SW-40+ /marker generator Question
by "Steve Lawrence" <Steve.Lawrence@itwfeg.com>
- 3) [130424] What happens to reflected power?
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 4) [130425] Re: homebrew audio xfmr?
by "Mike Yetsko" <myetsko@insydesw.com>
- 5) [130426] RE: reproducible conjugate results, PART 99.5 (now even longer)
by Nick Kennedy <nkennedy@tcainternet.com>
- 6) [130427] The tuner character, WHEN ADJUSTED
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [130428] Audio output transformer
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 8) [130429] QRP Plus locked up on 7.041
by Jeff <fantbb@yahoo.com>
- 9) [130430] Re: The Answer
by Dave Hottell <hottell@gulftel.com>
- 10) [130431] FS: 30 METER QRP
by Wayne AA5JJ <aa5jj@yahoo.com>
- 11) [130432] CQC Picnic Pix
by zeekzilch@juno.com
- 12) [130433] Re: 30 METER QRP
by "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
- 13) [130434] Re: 30 METER QRP
by "Chris Wagner" <mm1esg@compuserve.de>
- 14) [130435] Re: homebrew audio xfmr?
by "George, W5YR" <w5yr@att.net>
- 15) [130436] Conjugate Matching - What Happens in the Transmitter?
by "James R. Duffey" <jamesd1@flash.net>
- 16) [130437] FS: 30 meter QRP
by Wayne AA5JJ <aa5jj@yahoo.com>
- 17) [130438] Little Thunder QRP Club
by Fred Lesnick <flesnick@tbaytel.net>
- 18) [130439] FS: Paddle kit
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 19) [130440] Manhattan Norcal 20 Update

- by Jeff Hecht <jhecht@dnaco.net>
- 20) [130441] Re: homebrew audio xfmr?
by "Mike Yetsko" <myetsko@insydesw.com>
- 21) [130442] Fox: KV2X Final Log 20020712 UTC
by Thomas Jennings <jennings@eznet.net>
- 22) [130443] FS: NC20 and SWL 40 (or trade for RC Glider)
by "Kelly Ellison" <kelman@sofnet.com>
- 23) [130444] New K1 lives!
by "Bill Walker" <kd7jzb@mindspring.com>
- 24) [130445] FS: Cleaning up the shack!
by <viethoc@dslextre.me.com>
- 25) [130446] QEX article
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [130447] Re: The Answer
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [130448] Re: The tuner character, WHEN ADJUSTED
by "Karl F. Larsen" <k5di@zianet.com>
- 28) [130449] Re: The Answer
by "George, W5YR" <w5yr@att.net>
- 29) [130450] Re: The tuner character, WHEN ADJUSTED
by "George, W5YR" <w5yr@att.net>
- 30) [130451] Re: The Answer
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 31) [130452] Re: QRP Plus locked up on 7.041
by Ade Weiss W0RSP <adeweiss@sd.value.net>
- 32) [130453] Re: The Answer
by Dave Hottell <hottell@gulftel.com>
- 33) [130454] [OT] Yaesu Rotor Quit [Bad Switch -- Again!]
by Chuck Carpenter <w5usj@9plus.net>
- 34) [130455] FA Artikel?
by oxf01@maxmail.co.uk
- 35) [130456] Re: The tuner character, WHEN ADJUSTED
by W2AGN <w2agn@w2agn.net>
- 36) [130457] Re: The tuner character, WHEN ADJUSTED
by "Karl F. Larsen" <k5di@zianet.com>
- 37) [130458] Texas Flooding and Emergency Radio Power
by Kenneth Hoglund <hoglund@wfu.edu>
- 38) [130459] Flight of the Bumblebees N7CEE
by Bruce Grubbs <mail@brucegrubbs.com>
- 39) [130460] The " Rock-Mite" Files
by "Rod N0RC" <rod@n0rc.us>
- 40) [130461] Bumble Bee # 23 is read-ee
by "ss lyon" <sslyon@megalink.net>
- 41) [130462] Re: Texas Flooding and Emergency Radio Power
by "John J. McDonough" <wb8rcr@arrl.net>
- 42) [130463] FS VX-150
by "Rod N0RC" <rod@n0rc.us>
- 43) [130464] LINK FIXED Re: The " Rock-Mite" Files

by "Rod N0RC" <rod@n0rc.us>
44) [130465] Re: The tuner character, WHEN ADJUSTED
by "Walter AG5P" <walter@accessus.net>
45) [130466] 40M QRP DX!
by Steven Weber <kd1jv@moose.ncia.net>
46) [130467] NEQRP SSB NET tonight Tuesday 07:30PM EDT 7.287Mhz +- 5Khz
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
47) [130468] Re: AOL 7.0 Compatible with posting to the list? NO
by NB6M@aol.com
48) [130469] FS K2 #00068
by pmurphy <w6wy@citlink.net>
49) [130470] FS/Trade: S&S Engineering PC-1 digital readout
by "NZ8J" <timcook@erinet.com>
50) [130471] Re: Texas Flooding and Emergency Radio Power
by Tom Feeny <tfeeny@comcast.net>
51) [130472] MBD301's
by "Tracy Markham" <tracy@bytemark.com>
52) [130473] OT: ARRL Section News
by W2AGN <w2agn@w2agn.net>
53) [130474] RE: MBD301's
by Conrad Weiss <radman@best.com>
54) [130475] Re: [GQRP] 60m band concept in North America
by George Gingell <k3tks@u1.abs.net>
55) [130476] GDO revisions
by Ed Tanton <n4xy@earthlink.net>
56) [130477] Re: MBD301's
by "Leon Heller" <leon_heller@hotmail.com>
57) [130478] Fox - Summer Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
58) [130479] Re: [GQRP] Small Wonder labs White Mountain SSB 20M
by George Gingell <k3tks@u1.abs.net>
59) [130480] Fox - Summer Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
60) [130481] Re: MBD301's
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
61) [130482] RE: MBD301's
by "Tracy Markham" <tracy@bytemark.com>
62) [130483] Toroid, winding and testing.
by "Mullin, Edward J." <mulline@tycoelectronics.com>
63) [130484] Re: OT: ARRL Section News
by "Mark J. Dulcey" <mark@buttery.org>
64) [130485] MFJ-616
by "Bill Jones" <kd7s@psnw.com>
65) [130486] Re: ARRL Section News
by "Lee Mairs" <lmairs@cox.net>
66) [130487] Fwd: WWV-Message
by Ed Tanton <n4xy@earthlink.net>
67) [130488] Re: Toroid, winding and testing.

by Ed Tanton <n4xy@earthlink.net>
68) [130489] Re: Fwd: WWV-Message
by W2AGN <w2agn@w2agn.net>
69) [130490] Feedline Test
by "Karl F. Larsen" <k5di@zianet.com>
70) [130491] Re: Feedline Test
by W2AGN <w2agn@w2agn.net>
71) [130492] Re: MFJ-616
by "bob baxter" <rbaxter@cybertrails.com>
72) [130493] Weird Part
by "Brian" <brian@iquest.net>
73) [130494] 624 VFOs
by "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
74) [130495] SWAP
by "Francis Callahan" <colcal@srv.net>
75) [130496] white mountain 20 and cw
by Gary Lee <kb9zuv@arrl.net>
76) [130497] Tuthill campground is open
by "Bob Hightower" <nk7m@extremezone.com>
77) [130498] Tnx, but already getting a 520
by Wayne Scace <WM-Scace@wiu.edu>
78) [130499] Re: A little story...or QRP fun!
by "Dick" <dick@g0bps.fsnet.co.uk>
79) [130500] Re: [fpqrp] Weird Part
by "w8diz" <w8diz@fpqrp.com>
80) [130501] Re: OT: ARRL Section News
by Donn Kuse <casey.jay@gte.net>
81) [130502] WTB SW-30+
by <mgoins@usa.net>
82) [130503] Re: A little story...or QRP fun!
by <kg6cyn@earthlink.net>
83) [130504] Re: [azqrp] Tuthill campground is open
by Brian Kassel <bkassel@mato.com>
84) [130505] Re: OT: ARRL Section News
by Brian Mileschosky <n5zgt@swcp.com>
85) [130506] RE: Weird Part (Audio Transformers)
by Karl Kanalz <kkanalz@gcecispc.com>
86) [130507] Re: MFJ-616
by "George, W5YR" <w5yr@att.net>

Date: Mon, 22 Jul 2002 18:59:31 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <kw3u@warwick.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130422] Re: wanted things
Message-ID: <00bb01c231d3\$713a45a0\$d2af2341@tampabay.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Take those rubber belts to the nearest shop that repairs cassette or other types of tape machines, They will have what you need.. Just ask them for replacement belts, and don't tell them what they are for if they don't ask.

(if they do ask tell them it's an old tape deck and you don't know what kind !!! I've had a problem with some of those people, They would rather you "bring it in and we'll fix it" !! have a good day !!!

carl / kz5ca

----- Original Message -----

From: <kw3u@warwick.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, July 22, 2002 12:34 PM

Subject: wanted things

> Hi all;

> Perhaps someone on the list has these or knows how to get
> them?

> I was given an SB102 heathkit w/pwr sply and manuals..pwr sply cleaned
> up nice and voltages correct. now starting the cleanup of xcvr and see
> that

> it will need three small rubber belts. Wud appreciate any info on them.

> Also have scored well this hamfest season on FT-243 types for my
> novice xmtr collection and looking to obtain one or two crystal cases
> that

> would hold them. I hear there are mil surplus around but I've not run
> across

> any. condx not important. thanks Jim kw3u

>

>

Date: Mon, 22 Jul 2002 19:06:23 -0400

From: "Steve Lawrence" <Steve.Lawrence@itwfeg.com>

To: kf4yyd@adelphia.net

Cc: qrp-1@lehigh.edu

Subject: [130423] Re: SW-40+ /marker generator Question

Message-ID: <0F482809F4.6E348329-ON85256BFE.007E2E54-85256BFE.007EED7F@itwfeg.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Tom,

First, believe it or not, changing the tuning pot from 50k to 100k will not change the tuning range. The pot acts like a voltage divider in the SW-xx series transceiver, such that 50% of the pot rotation sets the frequency in the middle of the tuning range.

Now, let me refer you on to the "Elmer 101" lessons. (Your tuning question was covered in the notes, I believe.) These were done awhile back and cover all aspects of the construction of the SW-40, including an easy to understand analysis of how the various sections of the transceiver circuit work. The class notes are available at:

<http://engphys.mcmaster.ca/~elmer101/>

A similar "Elmer 101" covering the SW-20 is winding down. Class notes are available at:

<http://www.xcvr.com/default.asp?view=elmer101>

In either set of notes, you will find easy to understand tutorial and construction information, experiments, and other details well beyond the construction manual.

73,
Steve
aa8af

"Tom" <kf4yyd@adelphia.net>
Sent by: owner-qrp-l@Lehigh.EDU
07/22/2002 03:26 PM
Please respond to kf4yyd

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: SW-40+ /marker generator Question

Hello,

After unsuccessfully trying to come up with my own enclosure for my SW+ I finally got smart and bought the one Dave Benson sells. The biggest difference (other than it now looks great cosmetically) is that instead of the 50K tuning pot I had, it came with a 100K pot which I installed.

1.) About how much of a frequency range should I have with the 100K

installed?

I'm not 100% sure about what I am doing, I've only been working on this radio now for about 3 years and I still haven't made an operational test with it. I heard at least 7 loud tones when I connected the 5kHz output to the rigs input, and I not sure how equally spaced out those were on the dial.

I don't have any other receiver to test this on so I borrowed my dad's DX-398 short-wave receiver and found a tone on every 5 khz starting on the 02 frequency then the 07 etc.

2.) Does the trimmer pot on the marker generator adjust this offset back to the 0 Hz frequency?

Thanks in advance,
de Tom kf4yyd

Date: Mon, 22 Jul 2002 18:22:17 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@lehigh.edu>
Subject: [130424] What happens to reflected power?
Message-ID: <006d01c231d6\$9eed7640\$4e100a0a@rohredt2000>

The following was posted to the list:

"What happens to this reflected power? I really don't have a guess but plan to do some measuring. For example I can tune up on a band and then remove the transmitter and measure what the tuner impedance is. If, for some unknown reason the transmitter has this conjugate impedance so much loved it would be interesting, but I don't know how to measure the transmitter impedance."

The reflected power from mismatch at the antenna is totally reflected when it reaches a properly adjusted transmatch, and then is ADDED to your forward power, and so on. Eventually, most of the power, less transmission line losses on each traverse of the line, reaches the antenna and is radiated.

If you borrow, buy, or look up in QST the Maxwell papers that lead to "Reflections", he covers this quite well. Also, it is regularly covered in the Curt Sterba Antenna column in "World Radio". Several times a year, I think, he well shows that all SWR reflected power is radiated back in the

forward direction. You can measure this.

And the reason you have a conjugate match is far from unknown, just read Maxwell!

You then don't have to measure the transmitter impedance.
72, Stuart K5KVH

Date: Mon, 22 Jul 2002 16:20:15 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130425] Re: homebrew audio xfmr?
Message-ID: <000601c231d6\$5fb73600\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> RS has an excellent 1:1 isolation transformer - actually two in one
package
> - that I use to isolate my computer soundcard from the radio, etc. It is
> the 270-054 Ground Loop Isolator. Take a look - \$14.99 in the auto sound
> department. Good frequency range - 20 Hz to just under 20,000 Hz for -3
dB
> points per my measurements - and low distortion with reasonable signal
> levels. Avoid the little xxx-1374 transformers at \$4 each - they are not
> much.
>
> 73/72/oo, George W5YR - the Yellow Rose of Texas

I wonder if part of why it appears so good is that it's designed as a
'power' transformer, to interface at a whole watt or more, and you're
testing it with essentially a low-level signal.

It's probably a bit bulky for what most of our applications would be,
but really, the price isn't out of line... Unless you compare it to the
\$1.89 transformers!

Mike

Date: Mon, 22 Jul 2002 18:31:16 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'Bill Coleman'" <aa4lr@arrl.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130426] RE: reproducible conjugate results, PART 99.5 (now even longer)
Message-ID: <01C231AD.F7883FC0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Bill Coleman [SMTP:aa4lr@arrl.net]

On 7/20/02 11:16 PM, Nick Kennedy at nkennedy@tcainternet.com wrote:

>I'll bet you're right. Anybody ever taken their MFJ-259B and looked INTO
>the rig? I have. (Keep your hand away from the key when you do this.) As
I

>recall, the FT-1000 showed pretty close to 1:1, indicating that a match
>(conjugate, if you wanna get complex) to the antenna was the design goal.

Bill said: "Which tells you -- WHAT? That the receiver input filters are a
pretty
good match for 50 ohms? Why am I not surprised?"

Gosh, Bill. Why does this simple observation upset you so? And yes, the
input filters and also the preamplifier are apparently designed to match 50
ohms.

"The only way to answer the question of source impedance would be to be
able to measure it with the transmitter active, since those are the
components that are active when the transmitter is sourcing RF."

Yep, but this mini-thread isn't about transmitter source impedance. My
post was a response to Glen's observation that maybe matching to the rig
DOES have some value on receive. Receive, not transmit.

"However, I don't think the source impedance of a transmitter is that
interesting. Even if you knew what it was -- what could you do with that
information?"

I agree, but not the subject of this post.

Speaking of matching for maximum power transfer--I think a recent
discussion between you and George concluded that it has no real value and

is mainly good for amusing college freshmen. I fully agree with the conclusion that maximum power transfer is over-emphasized, but let's not throw out the baby with the bath. The receiver is probably one place where there is a benefit in matching. Low output transducers like microphones might be another.

72 and keep it light--Nick, WA5BDU

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Mon, 22 Jul 2002 18:45:41 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Steven Weber" <kd1jv@moose.ncia.net>
Cc: <qrp-1@lehigh.edu>
Subject: [130427] The tuner character, WHEN ADJUSTED
Message-ID: <007d01c231d9\$e39a4e00\$4e100a0a@rohredt2000>

Steve has pointed out correctly, that some tuners, like the Tee types so common commercially, are made of identical components either side of the central component, (Tee leg inductor). However, once adjusted, you usually have a differing setting, (value of capacitance in common Tee tuner) on the input side than on the output side. They might both be 200 pf caps, but will end up after adjustment at different values. In that sense, you could not turn them end for end, swapping transmitter for antenna side after they are adjusted, without READJUSTING. In that sense, they are not "bi directional".

Other types of transmatches such as the Viking Match Box, with a main coil and a link coil, and differing capacitor arrangements, clearly have a transmitter side, and an antenna side, and thus are not equal looking in those connectors.

The term bi directional, then must be defined before we know what is meant. Symmetrical? Equal reactances? or what?
72, Stuart K5KVH

Date: Mon, 22 Jul 2002 18:53:21 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "David Hinerman" <WD8CIV@worldnet.att.net>

Cc: <qrp-l@lehigh.edu>
Subject: [130428] Audio output transformer
Message-ID: <008d01c231da\$f58a5370\$4e100a0a@rohredt2000>

Dave,
Company Radio Shack stores can special order any of the components they do not carry in the store. What kind are you seeking? RS used to sell in Company stores, the one with 500 ohms or so primary and 8 ohm secondary which is OK at 4 ohms on small speakers.

It is not practical to build your own, as the cores you need are not commonly sold in ham quantities, but you might Check Mouser on line or Digi Key for exactly the transformer you need. The other cores hams usually find are not too suited. You might however be able to find a transformer inside a defunct switching power supply for 60 Hz that would work, with some addition of a secondary for the low impedance side. Also, check defunct VCRs, stereos, etc. from garage sales.
72, Stuart K5KVH

Date: Mon, 22 Jul 2002 17:03:38 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [130429] QRP Plus locked up on 7.041
Message-ID: <20020723000338.66478.qmail@web20414.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello to my fellow QRP Plus owners.

I sold a QRP Plus to a fellow QRPer and when he got it the freq was locked up on 7.041. Any ideas on how to fix this?
It's never happened to me before but for some reason I seem to remember something about it happening here on the list.
Really like to help him out!

Thanks!
jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Mon, 22 Jul 2002 19:37:07 -0500
From: Dave Hottell <hottell@gulftel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130430] Re: The Answer
Message-ID: <3.0.6.32.20020722193707.00d263c0@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Back on 7-14-02 Dave Hottell wrote:

>If there is no tuner there, or if it is not properly tuned, the reflected energy is lost as heat in the transmitter final stage or in the output filters. When the tuner is properly adjusted, the reflected energy will be re-reflected back to the antenna. It is re-reflected such that it is in phase with the energy being emitted by the transmitter -- the magic of the conjugate match!
>

This started a long discussion, but, finally, after seemingly endless discussion between Karl, Bill, George, and others (during which time Karl was completely wrong) on 7-20-02 Karl Larson (at long last) wrote:

> The 3 watts travels back down the feed line to the tuner where it's
>reflected back up the feed line again in phase with the 10 watts from the
>transmitter. Conservation of energy says the 3 watts must add to the 10
>watts making 13 watts on the feed line.

During the seemingly never-ending-discussion Karl managed to insult just about everyone who understands how tuners work. He consumed a truly inordinate amount of bandwidth by repeatedly stating false statements and wrong ideas.

When he finally gains a little understanding, he acts as if he discovered conjugate matching by claiming to provide us all with "The Answer". And he was quick to jump on those who tweaked him for his wrong statements and ideas.

Seems to me that Karl owes all on the list, but particularly those who made correct statements, a sincere apology.

We're all waiting, Karl.

And Karl, the answer was provided a decades ago by folks who took the trouble to study and learn rather than just shooting off their mouth.

I believe we should all be thankful that Bill and George have the patience and endurance to refute Karl's wrong statments one-by-one. Eventually they got through. Karl is no longer posting notes filled with wrong information. That is the main point of all this; if folks like Karl go unchecked many others will absorb the false information. And we don't need any more of that. Plenty of that already.

Again, Thanks to Bill and George for a difficult job well done. They had "The Answer" all along.

We're still waiting, Karl.

73,
Dave
ab9ca

Date: Mon, 22 Jul 2002 17:58:21 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130431] FS: 30 METER QRP
Message-ID: <20020723005821.24182.qmail@web10501.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Oak Hills Qrp rig for sale it is the
OHR100A looks and works great.
just dont use it.
73
120.00 shiped

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Mon, 22 Jul 2002 19:07:06 -0600

From: zeekzilch@juno.com
To: cqclist@yahoo.com, qrp-1@lehigh.edu
Subject: [130432] CQC Picnic Pix
Message-ID: <20020722.190848.-654907.0.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang;

Photos from July's CQC Picnic, featuring the world famous
Run-for-the-Trees QSO event, have been posted at:

<http://www.cqc.org/gallery/picnic02/index.htm>

72s
Roger
WB0JNR
CQC Webmaster
<http://www.ZeekZilch.com>

-

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/web/>.

Date: Mon, 22 Jul 2002 21:18:50 -0400
From: "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130433] Re: 30 METER QRP
Message-ID: <003c01c231e6\$e7395ad0\$45f5d018@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wayne,

Why would I buy it if I can't use it?
<just kidding, I think I know what you meant>
73,
Kevin, KC8SFJ

QRP-L #2366 - member since October/2001
QRP-ARCI #11248 - member since June/2002
FISTS #9293 - member since July/2002

----- Original Message -----

From: "Wayne AA5JJ" <aa5jj@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, July 22, 2002 8:58 PM
Subject: FS: 30 METER QRP

> Oak Hills Qrp rig for sale it is the
> OHR100A looks and works great.
> just dont use it.
> 73
> 120.00 shiped
>
>
> -----
> Do You Yahoo!?
> Yahoo! Health - Feel better, live better
> <http://health.yahoo.com>
>

Date: Sat, 6 Jul 2002 18:33:35 -0700
From: "Chris Wagner" <mm1esg@compuserve.de>
To: <aa5jj@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130434] Re: 30 METER QRP
Message-ID: <008201c22556\$5365f080\$d59893ac@1wqq90j>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Isn't 30 m an excellent CW band?? I recall that some DX-pedition made most

QSOs on 30 m hi.

72,

Chris mm1esg / kf6vci

Date: Mon, 22 Jul 2002 20:48:59 -0500
From: "George, W5YR" <w5yr@att.net>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130435] Re: homebrew audio xfmr?
Message-ID: <3D3CB60B.7B3CD356@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, the specs on the FaxBack form 9643, the specs on FaxBack form 9542, and my own fairly extensive measurements all disagree. After reading what RS had online about this unit and noting all the disagreement, I was prompted to get one and do some lab work.

Your point is well taken that I measured low distortion because I kept the signal levels reasonably low. Any small transformer unless it is pro-audio quality and price is limited in its signal level handling ability if excessive distortion is to be avoided.

The intended purpose of the unit is to take an output signal from a dash-mounted stereo radio and convey it to a remote power amplifier. I do not know what signal levels would be involved, but I doubt that watts of power would be involved in driving the amp. But, one set of specs claims that the unit will handle 150 watts!

The frequency response curve shown is pretty close to what I found although nothing is said about signal levels. One set of specs claims 300 Hz to 4000 Hz at the -3 dB points. The range I found was 20 Hz to about 19,500 Hz. The fundamental to third harmonic S/D ratio ranged from about 65 to 75 dB in the mid-range and upper-range going down to 45 dB at 20 Hz, with -6 dBu drive at 1000 Hz. The fifth and higher harmonics were more than 75 dB down.

I found that 65-75 dB S/D is more than adequate for coupling a soundcard to a radio or other audio gear. Insertion loss proved to be about 2 dB at the most in the 1000 - 3000 Hz mid-band range. No cross-talk was observed. The major problem was a-c field pickup from wiring, transformers, etc.

In summary, the units are much better than the smaller \$4 RS units commonly used. I tried one in the place of a pro-audio \$60 unit and there was a

noticeable difference in the low end but not enough to rule out using these units in the audio signal path of the transmitter and receiver for isolation.

You make a good point on the size. They were not designed to be built into equipment. the unit is about 2.6 inches long and about 0.75 inches or less in diameter. Stereo cables with RCA connectors come out each end.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Mike Yetsko wrote:

> I wonder if part of why it appears so good is that it's designed as a
> 'power' transformer, to interface at a whole watt or more, and you're
> testing it with essentially a low-level signal.
>
> It's probably a bit bulky for what most of our applications would be,
> but really, the price isn't out of line... Unless you compare it to the
> \$1.89 transformers!

Date: Mon, 22 Jul 2002 19:52:41 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [130436] Conjugate Matching - What Happens in the Transmitter?
Message-ID: <B9621309.19868%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

One of the reasons I avoided the conjugate matching thread for so long (other than the personal barbs that result) was that the topic eventually gets around to what happens behind that SO-239/BNC connector on the transmitter. And that is where the sticky bits occur. That is where Bruene disagrees with Maxwell. I am not in that league, but challenges by both George and Nick about source resistance prompt me to address the issue. Also Walt, I have decided to stay in the kitchen. >^)=

Here goes.

Well suppose that we have our transmitter, tuner, feed line, and antenna all happily conjugate matched. The source, which is our transmitter, is also

conjugate matched. If I look behind that antenna connector I see a matching network, usually some kind of t, pi, or pi-L network. At the far end of that is an active device, usually a transistor or tube, but it could be an and gate or op amp. It could be push pull or single ended.

The matching network is a 4 terminal network connected between the tuner and the active device, so from the conjugate match theorem, there is a conjugate match at transmitter output and at the active device/matching network interface. What is the impedance that is being matched at the input to the output network of the transmitter? That is the load impedance of the active device, sometimes called the dynamic load impedance. For transistor finals, this dynamic load impedance is $(V_{\text{collector}})^2 / 2 * P_{\text{out}}$. For a 5 watt QRP rig at 12 V, this is $144/10 = 14.4$ Ohms.

Now, this is the source resistance that is conjugate matched.

Consider two measurements, both of which support this claim. Disconnect the final device. Replace it with a resistor that has the same value as the load impedance quoted above. Measure the output impedance with a bridge. You will measure 50 Ohms. This affirms the conjugate match. As an aside, this is one method of optimizing the output network filter. Replace the final with the load impedance. Put an antenna analyzer at the output. Adjust the network until the analyzer reads 50 Ohms. This technique is in Solid State Design.

The other experiment is to replace the active device with a potentiometer. Place an RF bridge at the output set to 50 Ohms. Adjust the potentiometer until the bridge balances. Measure the resistance of the potentiometer. It will be the load impedance.

This is why I understand that the conjugate match also applies to transmitters. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 22 Jul 2002 18:53:44 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [130437] FS: 30 meter QRP
Message-ID: <20020723015344.38431.qmail@web10502.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I have a 30 meter QRP rig for sale it is the OHR100A
and it works great, I will ship it for 120.00 to lower
48.

reply to aa5jj@yahoo.com

PS: will do some trading for a good antenna tuner with
built in dummy load.

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Mon, 22 Jul 2002 21:53:57 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-l@lehigh.edu>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>,
Wayne Letang <wletang@tbaytel.net>,
Subject: [130438] Little Thunder QRP Club
Message-ID: <3D3CB735.1CE01B2D@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Little Thunder QRP Club will be having our own QRP To The Field on
July 23 around 2300 z.... A few of us will be bringing out our rigs, and
our portable antennas and will do some field tests from a Conservation
area in the City.....

So listen for VE3XT, VE3FLB, VA3WRL, and others tomorrow on 40 meters,
we will be using that band.....

Cheers
Fred
VE3FAL

You can do so much with so little.....

Date: Mon, 22 Jul 2002 21:58:02 -0400
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [130439] FS: Paddle kit

Message-ID: <ODE0IKLMAJFGCNMOGAGICEBHCCAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the following for sale:

NorCal Paddle Kit still in kit form. This is the wide paddle set. All parts are there (I checked) plus instructions. Asking \$55 shipped USPS Priority CONUS.

Payment by PayPal (bowerm@ix.netcom.com) or check is fine.

Michael N4NMR

Date: Mon, 22 Jul 2002 22:08:38 -0400
From: Jeff Hecht <jhecht@dnaco.net>
To: qrp-l@lehigh.edu
Subject: [130440] Manhattan Norcal 20 Update
Message-ID: <3D3CBAA6.B725753A@dnaco.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a status report to the group about the Manhattan Norcal 20 I'm working on. It works! 3 contacts so far.. the longest being Calgary from my QTH here near Dayton.... not bad with 4 watts into an old 5BTV with 1 (one) ground radial... I need to put more radials out there :)

Here's the URL: <http://www.qsl.net/k8gd/>

Best 72 and hope to work some of you guys on 20 sometime.

Jeff - K8GD

Date: Mon, 22 Jul 2002 22:33:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130441] Re: homebrew audio xfmr?

Message-ID: <001301c231f1\$811dfa20\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> The intended purpose of the unit is to take an output signal from a
> dash-mounted stereo radio and convey it to a remote power amplifier. I
do
> not know what signal levels would be involved, but I doubt that watts of
> power would be involved in driving the amp. But, one set of specs claims
> that the unit will handle 150 watts!

These units, while they might be able to handle an interface to a 150w
amp driving them, probably can't actually handle 150w through the unit
to a load. Hmm, 150w RMS?? Or just 150w?

Usually their target design market is for 'balanced' output amps so you
can
tie them to a 'common ground' system. Early amps on car stereos
generally (although not all) were single ended with the max voltage
swing just a bit less than 1/2 of the supply voltage. Referenced to a
common ground. When higher power stereos came along, they
generally 'bridged' the output. That means (for those not familiar with
this stuff) that while one wire went plus, the other would go to ground.
Then in reverse phase, the ground would go to plus, the plus would go to
ground. That means instead of a TOTAL voltage swing peak to peak
being limited to the supply voltage, the 'equivalent swing now doubles,
and since it's V squared over R... Twice the voltage swing means twice
the power, all else being equal. If memory serves me, these types
of circuits are generally rated at 10w or so, based on a number
of considerations.

But while you can tie the first type of stereo directly to an amp (because
it has a common ground as a reference) you can't do that with the high
power stereos. At least, not without the 'transformer' like what RS
sells.

Thing is, while most of the 'amps' that you can buy have 'low impedance'
if they are designed to interface to be driven from an existing stereo,
they
generally AREN'T the 4 ohm or whatever the original stereo is designed
to drive. I've seen some pretty high values of resistance on the 'inputs'
of these amps. 20 ohms or more. Generally to limit the power the
'core' amp delivers, turning into more of a voltage source that won't
distort under load like it would driving a speaker that can be as low as
3.2ohms, even for a single speaker!

It would be interesting in seeing how much power these transformers can really pass. Although it probably doesn't matter at all based on the applications that would be appropriate to this forum.

Mike

Date: Mon, 22 Jul 2002 22:58:18 -0400
From: Thomas Jennings <jennings@eznet.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, tom palmer <n1tp@swfla.rr.com>
Subject: [130442] Fox: KV2X Final Log 20020712 UTC
Message-ID: <3D3CC64A.3010205@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Time
Call
Rcvd
SPC
Name
Power

215
N1TP
559
FL
TOM
5w
217
N5YFC
559
TX
WAYNE
5W
219
W6ABC
559
CA
JACK
5W

220
W9UQB\7
559
AZ
MIKE
5W
221
K4FB
579
FL
PAUL
5W

222
K5DW
559
TX
DON
5W
223
KJ0C
589
MO
JIM
5W
224
AA50
559
LA
VERN
5W
226
NQ7X
559
AZ
FLOYD
5W
227
WR50
559
TX
DAVE
5W

228
W0CH
559
MO

DAVE
5W
229
KB7WW
559
OR
ART
5W
229
VE4WI
559
MB
CRAIG
5W
231
K4BYF
559
FL
JACK
5W
231
W5YR
559
TX
GEORGE
5W

234
K5LN
559
TX
BILL
5W
235
KG4FSN
559
FL
JUAN
4W
237
K0FPR
579
CO
AL
5W
239
W0PWE
599

IA
JERRY
2W
240
VA6RF
559
AB
EARL
5W

245
WD5RS
559
TX
RUSS
4W
247
WD7Z
599
NM
DAVE
5W
248
N5ZE
559
TX
LEW
5W
254
K7IE
559
OR
BRIAN
5W
256
AB9CA
559
AL
DAVE
5W

259
W5TB
559
TX
DOC
5W
304

A04AY
559
AL
JAY
5W
306
KI0II
559
CO
RON
1W
308
VE5RC
119
SK
BRUCE
5W
310
KD5KXF
559
TX
MIKE
5W

315
AG0T
559
ND
TODD
4W
327
NM5M
559
TX
ERIC
5W
330
K4LKL
559
FL
PAUL
500MW
347
K5DI
559
NM
KARL
5W

Time
Call
Rcvd
SPC
Name
Power

215
N1TP
559
FL
TOM
5w
217
N5YFC
559
TX
WAYNE
5W
219
W6ABC
559
CA
JACK
5W
220
W9UQB\7
559
AZ
MIKE
5W
221
K4FB
579
FL
PAUL
5W

222
K5DW
559
TX
DON
5W
223
KJ0C
589

MO
JIM
5W
224
AA50
559
LA
VERN
5W
226
NQ7X
559
AZ
FLOYD
5W
227
WR50
559
TX
DAVE
5W

228
W0CH
559
MO
DAVE
5W
229
KB7WW
559
OR
ART
5W
229
VE4WI
559
MB
CRAIG
5W
231
K4BYF
559
FL
JACK
5W
231
W5YR

559
TX
GEORGE
5W

234
K5LN
559
TX
BILL
5W
235
KG4FSN
559

FL
JUAN
4W
237
K0FPR

579
CO
AL
5W
239
W0PWE

599
IA
JERRY
2W
240
VA6RF
559
AB
EARL
5W

245
WD5RS
559
TX
RUSS
4W
247
WD7Z
599
NM
DAVE
5W

248
N5ZE
559
TX
LEW
5W
254
K7IE
559
OR
BRIAN
5W
256
AB9CA
559
AL
DAVE
5W

259
W5TB
559
TX
DOC
5W
304
AJ4AY
559
AL
JAY
5W
306
KI0II
559
CO
RON
1W
308
VE5RC
119
SK
BRUCE
5W
310
KD5KXF
559
TX
MIKE

5W

315

AG0T

559

ND

TODD

4W

327

NM5M

559

TX

ERIC

5W

330

K4LKL

559

FL

PAUL

500MW

347

K5DI

559

NM

KARL

5W

400 N1FN FOX

400 KV2X FOX

Date: Mon, 22 Jul 2002 22:11:53 -0500

From: "Kelly Ellison" <kelman@sofnet.com>

To: <qrp-1@lehigh.edu>

Subject: [130443] FS: NC20 and SWL 40 (or trade for RC Glider)

Message-ID: <001b01c231f6\$b297bdc0\$9132c840@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello all,

FS: Norcal 20, 10 turn pot, Supertick keyer. Has slight whoop, needs
regulator mod. \$90.00 Shipped

SWL 40 with enclosure. Not working. \$55.00 Shipped.

Reason for selling... building a K1. Would trade for RC glider/equipment.
Email direct.

Kelly Ellison - WB0WQS
QRP-L #702

Date: Mon, 22 Jul 2002 20:19:46 -0700
From: "Bill Walker" <kd7jzb@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130444] New K1 lives!
Message-ID: <002a01c231f7\$cc8de690\$020aa8c0@pluto>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to announce the birth of K1 #1275!
It was brought into this world on Friday evening at 1.4 lbs and spoke it's
first words tonight at 0252 UTC.
It's a great little rig and it already wants to go camping!

Bill Walker - WV7G

Date: Mon, 22 Jul 2002 20:57:48 -0700 (PDT)
From: <viethoc@dslextreame.com>
To: <qrp-l@lehigh.edu>
Subject: [130445] FS: Cleaning up the shack!
Message-ID: <1632.66.51.193.245.1027396668.squirrel@www.dslextreame.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi everyone:

I need to clean up my shack for the next purchase. Any reasonable offer will be answered. Included shipping is in 48 CONUS only; others may vary. All are in good condition except as noted. Thank you for your interest.

1. K500R amplifier, a unbuilt model for Yaesu FT-817 or other QRP rigs, \$110.00 shipped OBO.
2. Vibroplex Blue Racer bug, a recent model, \$150.00 shipped OBO.
3. Oak Hill Research 100 model, a 20 m rig, \$90.00 shipped OBO.
4. NorCal 20m rig, \$90 shipped OBO.
5. AEA MorseMatic MM-1 keyer/trainer, \$75.00 shipped OBO.
6. Bencher BY-2 model, a chrome base iambic paddle, original box, \$85.00 shipped OBO.
7. Hi-Mound BK-100 model, a semi-automatic key (bug), in fair condition. \$55 shipped OBO.

73,
Trung Nguyen, W6TN

Date: Mon, 22 Jul 2002 22:10:15 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [130446] QEX article
Message-ID: <Pine.LNX.4.44.0207222205530.4115-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The QEX paper on transmitter source impedance has been sent to me as a .pdf file and it looks very interesting. Also rather complex...hi

My method I just tried where you adjust for max power transfer on your tuner, disconnect the radio from the tuner and measure the tuner input impedance. That will be exactly (within about 25%) what your transmitter output impedance is.

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Mon, 22 Jul 2002 22:31:36 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Hottell <hottell@gulftel.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [130447] Re: The Answer
Message-ID: <Pine.LNX.4.44.0207222223460.4115-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 22 Jul 2002, Dave Hottell wrote:

> Gang,
>
> Back on 7-14-02 Dave Hottell wrote:
>
> >If there is no tuner there, or if it is not properly tuned, the reflected
> energy is lost as heat in the transmitter final stage or in the output
>
> We're all waiting, Karl.
>
> And Karl, the answer was provided a decades ago by folks who took the
> trouble to study and learn rather than just shooting off their mouth.

>
> We're still waiting, Karl.
>
> 73,
> Dave
> ab9ca

Dave you need not wait any longer. I will not give you the correct time of day.

For your ignorant self I'm trying to learn EXACTLY where the reflected power from the load is reflected back to the load. I think now it might be from the input of the tuner, or the physical impedance of the transmitter output.

There is still much I don't know but I'm certain I know far more than you do now and it will increase with effort. All of that information that was gathered 60 years ago by experts may not be so good. I have no way of knowing yet.

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Mon, 22 Jul 2002 22:36:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Stuart Rohre <rohre@arlut.utexas.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130448] Re: The tuner character, WHEN ADJUSTED
Message-ID: <Pine.LNX.4.44.0207222233090.4115-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

By bi-directional it means that power can be applied at the input at that impedance or at the output provided it's at that impedance. All tuners I can think of will work this way.

On Mon, 22 Jul 2002, Stuart Rohre wrote:

> Steve has pointed out correctly, that some tuners, like the Tee types so
> common commercially, are made of identical components either side of the
> The term bi directional, then must be defined before we know what is meant.
> Symmetrical? Equal reactances? or what?
> 72, Stuart K5KVH
>
>
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Mon, 22 Jul 2002 23:27:29 -0500
From: "George, W5YR" <w5yr@att.net>
To: hottell@gulftel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130449] Re: The Answer
Message-ID: <3D3CDB31.AFEAFE60@att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Many thanks for such kind words, Dave, but unfortunately if you read Karl's latest posting, you will have to take back your third sentence . . . <:}

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Dave Hottell wrote:

> I believe we should all be thankful that Bill and George have the patience
> and endurance to refute Karl's wrong statments one-by-one. Eventually they
> got through. Karl is no longer posting notes filled with wrong
> information. That is the main point of all this; if folks like Karl go
> unchecked many others will absorb the false information. And we don't need
> any more of that. Plenty of that already.
>
> Again, Thanks to Bill and George for a difficult job well done. They had
> "The Answer" all along.
>
> We're still waiting, Karl.
>
> 73,
> Dave
> ab9ca

Date: Mon, 22 Jul 2002 23:32:58 -0500
From: "George, W5YR" <w5yr@att.net>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130450] Re: The tuner character, WHEN ADJUSTED
Message-ID: <3D3CDC7A.5B3D390@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bilateral and bidirectional are the two words at issue here, Stuart.

Clearly, our antenna tuners are bilateral networks. Either set of terminals can be used for excitation or load.

But, bi-directional implies to me that the tuner can be adjusted with one set of terminals being used for input and the other for output and then have those terminals reversed and have nothing change. I think that is incorrect. Depending upon the nature of the source and of the load, even a symmetrical network might have trouble passing that test.

Bilateral is a network property that is difficult to avoid with passive linear networks like antenna tuners. Any such network can be driven from either port and can be loaded from the other. Whether doing so makes any sense is a matter of application.

Bidirectional is an application property that depends upon who is defining what the input is and what the output is.

Make any sense?

On the Summerfest, any word yet on when and where the QRP dinner gathering will be held?

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Stuart Rohre wrote:

>
> Steve has pointed out correctly, that some tuners, like the Tee types so
> common commercially, are made of identical components either side of the
> central component, (Tee leg inductor). However, once adjusted, you usually
> have a differing setting, (value of capacitance in common Tee tuner) on the
> input side than on the output side. They might both be 200 pf caps, but
> will end up after adjustment at different values. In that sense, you could
> not turn them end for end, swapping transmitter for antenna side after they
> are adjusted, without READJUSTING. In that sense, they are not "bi
> directional".
>
> Other types of transmatches such as the Viking Match Box, with a main coil
> and a link coil, and differing capacitor arrangements, clearly have a
> transmitter side, and an antenna side, and thus are not equal looking in
> those connectors.
>
> The term bi directional, then must be defined before we know what is meant.
> Symmetrical? Equal reactances? or what?
> 72, Stuart K5KVH

Date: Mon, 22 Jul 2002 21:37:04 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130451] Re: The Answer
Message-ID: <00c301c23202\$9cbab3c0\$0613f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have you guys seen that movie "Grumpy Old Men"?...

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, July 22, 2002 9:31 PM
Subject: Re: The Answer

> On Mon, 22 Jul 2002, Dave Hottell wrote:
>
> > Gang,
> >
> > Back on 7-14-02 Dave Hottell wrote:
> >
> > > If there is no tuner there, or if it is not properly tuned, the
> > reflected
> > energy is lost as heat in the transmitter final stage or in the
> > output
> >
> > We're all waiting, Karl.
> >
> > And Karl, the answer was provided a decades ago by folks who took
> > the
> > trouble to study and learn rather than just shooting off their
> > mouth.
>
>
>
> >
> > We're still waiting, Karl.
> >
> > 73,
> > Dave
> > ab9ca
>
> Dave you need not wait any longer. I will not give you the

> correct time of day.
>
> For your ignorant self I'm trying to learn EXACTLY where the
> reflected power from the load is reflected back to the load. I think
now
> it might be from the input of the tuner, or the physical impedance of
> the transmitter output.
>
> There is still much I don't know but I'm certain I know far more
> than you do now and it will increase with effort. All of that
> information that was gathered 60 years ago by experts may not be so
> good. I have no way of knowing yet.
>
>
>
> --
> Yours Truly,
>
> - Karl F. Larsen, (505) 524-3303 -
>

Date: Tue, 23 Jul 2002 00:07:12 -0500
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-l@lehigh.edu
Subject: [130452] Re: QRP Plus locked up on 7.041
Message-ID: <DCKON3WB075Y7HF1WJF32HCHB73EB.3d3ce480@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Jeff asked:

"Hello to my fellow QRP Plus owners.

I sold a QRP Plus to a fellow QRPer and when he got it the freq was
locked up on
7.041. Any ideas on how to fix this?
It's never happened to me before but for some reason I seem to
remember something about it happening here on the list.
Really like to help him out!

Thanks!
jeff"

I haven't had this happen, but it is worth "resetting" to factory memory. To do
this, press the MEM button and then turn on the rig. Maybe this will do the

trick. I hope!

72, Ade W0RSP

Date: Tue, 23 Jul 2002 00:20:24 -0500
From: Dave Hottell <hottell@gulftel.com>
To: w5yr@att.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130453] Re: The Answer
Message-ID: <3.0.6.32.20020723002024.00d28b80@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

George and all,

Yes, I do indeed have to retract the third sentence -- I see that Karl is not yet finished posting incorrect information to the list . . .

Well, I hope you and Bill are up to the continuing task.

73 es gl,
Dave
ab9ca

At 11:27 PM 7/22/02 -0500, George, W5YR wrote:
>Many thanks for such kind words, Dave, but unfortunately if you read Karl's
>latest posting, you will have to take back your third sentence . . . <:}
>
>73/72/oo, George W5YR - the Yellow Rose of Texas
>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
>Amateur Radio W5YR, in the 56th year and it just keeps getting better!
>QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
>Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
>
>Dave Hottell wrote:
>
>> I believe we should all be thankful that Bill and George have the patience
>> and endurance to refute Karl's wrong statments one-by-one. Eventually they
>> got through. Karl is no longer posting notes filled with wrong

>> information. That is the main point of all this; if folks like Karl go
>> unchecked many others will absorb the false information. And we don't need
>> any more of that. Plenty of that already.
>>
>> Again, Thanks to Bill and George for a difficult job well done. They had
>> "The Answer" all along.
>>
>> We're still waiting, Karl.
>>
>> 73,
>> Dave
>> ab9ca
>

Date: Tue, 23 Jul 2002 05:14:18 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, 50mhz@topica.com, vhf@w6yx.stanford.edu
Subject: [130454] [OT] Yaesu Rotor Quit [Bad Switch -- Again!]
Message-ID: <3.0.2.32.20020723051418.007b8e30@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Thanks to all who replied with comments and suggestions. (Yaesu G-450A rotor quit rotating in the left (CCW) direction.)

Having just replaced the right (CW) rotation switch (\$11.00), I guess I didn't want to believe that the other switch had failed too. But it did!

I took the bad switch apart after I replaced it and the little spring-loaded plunger that activates the contact rocker had exited out through the side of its poorly made plastic enclosure.

At the suggestion of Dave Pomeroy, K7DNP, who had the same problem (as have others it seems), I connected jumpers across the switch and it worked. Nothing else wrong with the unit.

The replacement switch that came from Yaesu parts and service was a DPDT momentary part and looked to be about the same construction. I wouldn't be too difficult to use a switch of the proper form factor (Mouser, etc.) to do the repair. It might even be useful to make little switch panels for the rotor control unit to mount a different type of switch. There are some in the Mouser catalog that look like the same switches for less than half the cost. A couple of miniature switches would do the job too at even less cost.

Email Alt: w5usj@arrl.net, w5usj@go.com

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Tue, 23 Jul 2002 12:17:01 -0700
From: oxf01@maxmail.co.uk
To: qrp-l@lehigh.edu
Subject: [130455] FA Artikel?
Message-ID: <3D3DABAD.A84@maxmail.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hallo,

Ich brauche eine Fotokopie von einem Artikel im FunkAmateur, Heft
1/2002. Kann jemand mir bitte helfen? Natürlich werde Ich die Kosten
verg ten, oder einen anderen Gefallen tun! Vielen dank

72, Mike M0BST

Bitte antworten sie auf M0BST@qsl.net

Date: Tue, 23 Jul 2002 07:35:37 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130456] Re: The tuner character, WHEN ADJUSTED
Message-ID: <3D3D0749.3644.17C7CD99@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 22 Jul 2002 at 23:32, George, W5YR wrote:

> Bilateral and bidirectional are the two words at issue here, Stuart.
>
> Clearly, our antenna tuners are bilateral networks. Either set of terminals
> can be used for excitation or load.
>

> But, bi-derectional implies to me that the tuner can be adjusted with one
> set of terminals being used for input and the other for output and then
> have those terminals reversed and have nothing change. I think that is
> incorrect. Depending upon the nature of the source and of the load, even a
> symmetrical network might have trouble passing that test.

Ah, now I understand! The problem was one of semantics. That''s why I didn't buy
the bi-directional.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
/ _/_ _/_ _/_ _/_ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 23 Jul 2002 06:16:34 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130457] Re: The tuner character, WHEN ADJUSTED
Message-ID: <Pine.LNX.4.44.0207230600530.1558-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 22 Jul 2002, George, W5YR wrote:

> Bilateral and bidirectional are the two words at issue here, Stuart.

Where did Bilateral come from George?

>
> Clearly, our antenna tuners are bilateral networks. Either set of terminals
> can be used for excitation or load.
>

Yes in fact an L network tuner needs to do that for some types
of loads.

> But, bi-derectional implies to me that the tuner can be adjusted with one
> set of terminals being used for input and the other for output and then
> have those terminals reversed and have nothing change.

No to me bi-directional means if you tune up the tuner on a frequency to a load and then put the proper impedance load on the input you can put power into the output at that impedance.

For sure you can do this if the load is 50 ohms and the transmitter is also 50 ohms, I think...but this is easy to verify. It may not work.

Yes this is an easy test and I will use my good 50 ohm load and FT-817 as the transmitter. Hook it up normal and adjust the tuner to normal full power to the load. Then reverse coax connectors and see what happens.

I think that is
> incorrect. Depending upon the nature of the source and of the load, even a
> symmetrical network might have trouble passing that test.
>
> Bilateral is a network property that is difficult to avoid with passive
> linear networks like antenna tuners. Any such network can be driven from
> either port and can be loaded from the other. Whether doing so makes any
> sense is a matter of application.
>
> Bidirectional is an application property that depends upon who is defining
> what the input is and what the output is.
>
> Make any sense?
>
> On the Summerfest, any word yet on when and where the QRP dinner gathering
> will be held?
>
> 73/72/00, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
>
> Stuart Rohre wrote:
> >
> > Steve has pointed out correctly, that some tuners, like the Tee types so
> > common commercially, are made of identical components either side of the
> > central component, (Tee leg inductor). However, once adjusted, you usually
> > have a differing setting, (value of capacitance in common Tee tuner) on the
> > input side than on the output side. They might both be 200 pf caps, but
> > will end up after adjustment at different values. In that sense, you could

> > not turn them end for end, swapping transmitter for antenna side after they
> > are adjusted, without READJUSTING. In that sense, they are not "bi
> > directional".
> >
> > Other types of transmatches such as the Viking Match Box, with a main coil
> > and a link coil, and differing capacitor arrangements, clearly have a
> > transmitter side, and an antenna side, and thus are not equal looking in
> > those connectors.
> >
> > The term bi directional, then must be defined before we know what is meant.
> > Symmetrical? Equal reactances? or what?
> > 72, Stuart K5KVH
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Tue, 23 Jul 2002 09:02:22 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130458] Texas Flooding and Emergency Radio Power
Message-ID: <3D3D53DE.C0F94D80@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last Fall there was an interesting thread on the list on the kinds of arrangements emergency radio networks were using and their relevance to low-power operations. Several TX ops (the one message I kept from the thread was by Stuart K5KVH) noted how vital hf communications were in a state as big as the Lone Star State.

We have seen this summer severe flooding in the San Antonio area, disrupting normal power supplies and triggering ARES/RACES and SATURN responses. Could anyone with some firsthand knowledge perhaps comment on how the nets were set-up, what kinds of gear were involved, etc.

The relationship to QRP is this: I figure I'm like a number of ops in the hobby. I'm a regular with ARES in the area with the obligatory 2m HT, and otherwise relax with qrp operations and lightweight gear that will put out 5 watts at best on hf. I may be amazed at what this can do, but if an emergency developed, how much help could I be? The new Ten-Tec Argonaut V might be of interest as a multibander, but is 20 watts out

too minimal to contribute to emergency nets?

TIA and 73,
Ken KG4FGC

Date: Tue, 23 Jul 2002 06:12:11 -0700
From: Bruce Grubbs <mail@brucegrubbs.com>
To: eleccraft@mailman.qth.net
Cc: qrp-l@lehigh.edu
Subject: [130459] Flight of the Bumblebees N7CEE
Message-ID: <E17WzSQ-0002fi-00@snipe.mail.pas.earthlink.net>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I will be operating N7CEE/BB (#43) on a six day backpack trip in the Grenadier Range, San Juan Mountains, Colorado. I'll be on 20 and 15 meters, using an Elecraft 4 band K1.

73
Bruce
N7CEE

Date: Tue, 23 Jul 2002 07:23:42 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
 "cqcl-1" <CQCLIST@yahoogroups.com>
Subject: [130460] The " Rock-Mite" Files
Message-ID: <014101c2324c\$2aad77f0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I noticed on the Small Wonder Labs Website that Dave will open the Rock-Mite "floodgate" on Aug 2. Soon after, QRP-L will swell with Rock-Mite postings! (Personally I can't wait) Building stories, operating stories, packaging, modifications and more! (YIPPEE YA YA YA!) And, what we don't see enough of, links to PICTURES!!

I got to thinking it would be nice to have all this information available indexed and/or filed in a central location. So I'm putting together a website that will serve as a central repository for Rock-Mite builders: 'the "Rock-Mite" files'. On this site I will document:

- o building/operating success stories
- o modifications
- o building notes and advice
- o packaging ideas
- o best of all, the "Rock-Pile"--PICTURES of your rig!!
- o links to other sites

For those of you who have a web host, put together a page or two (or three) of information, send me the URL and I'll place a link on 'the "Rock-Mite" files'. If you don't have a web host send me the information you would link to share, and I'll provide the web space to publish your Rock-Mite story, picture(s) or both. (To economize on disk space please limit your pictures to 3 or 4, and keep the size down to 480x640 pixels)

Beyond that, I'm keeping restrictions to a minimum, and I'm not sure of the exact presentation/organization style. I'm going to let things kind of evolve so as not to stifle creativity.

OK that's the deal, send me your best stuff and I'll get it in 'the "Rock-Mite" files', as quick as I can, for others to enjoy. The URL or 'the "Rock-Mite" files' is:

http://www.radioactivehams.com/rm/the_Rock-Mite_files.html

I put my Rocky Mountain "Rock-Mite" stuff there to get things kicked off.

OH, the name 'the "Rock-Mite" files', inspired by the old TV show: "The Rockford Files". To paraphrase the show's opening: ...please send me your Rock-Mite info and I'll get back to you as soon as I can... ;-)

73, Rod N0RC

Date: Tue, 23 Jul 2002 21:33:27 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@lehigh.edu>

Subject: [130461] Bumble Bee # 23 is read-ee
Message-ID: <002f01c232b2\$1c3b21c0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

KD1JV and I did some recon and found a likely spot just below tree line on Mt Jefferson, NH, within view of the Mt Washington Observatory and the cog railway several miles away. The trees aren't up to my usual... but should be able to support at least one 88' EDZ beaming west. Hopefully the horrendous black fly population will have begun to die off, as the hike last weekend was a real blood letting. I'll take Hudson Valley rattlers to clouds of black flies any day.
C U on 40, 20, and maybe 15.

72

73

AA1MY/bb23

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Tue, 23 Jul 2002 09:41:32 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <hoglund@wfu.edu>
Subject: [130462] Re: Texas Flooding and Emergency Radio Power
Message-ID: <01bc01c2324e\$a3f820\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Kenneth Hoglund" <hoglund@wfu.edu>
Subject: Texas Flooding and Emergency Radio Power

> but if an emergency developed, how much help could I be?

I suspect the answer is, not much. In an emergency, almost all the communications is 2 meters, with the remaining being 80. It might be

different in a big state like Texas or Alaska, but besides within your county, the only emergency communications are likely to be within the state, and that is almost always 80.

80 is a horribly QRP-unfriendly band, especially in the summer. It seems to me that one needs at least 30 watts, perhaps more, to be reasonably reliable on 80. If your state doesn't recognize CW, you may be challenged with 100. Remember, while we can frequently make contacts on 80 with a watt or two, the propagation gods don't recognize these emergencies. Also keep in mind what you are dealing with. Chances are, you are going to be dealing with a hurricane. That great 80 meter double Zepp you put up is probably going to be the first casualty. So besides noise and high absorption, you are probably also going to have a temporary antenna. Of course, the balancing act is powering that 20 amp rice box from batteries - the lower power station has an obvious advantage there, but may only be useful after midnight when the band quiets down.

In a state as small as NC, you may very well not need 80 at all. Anything out of the county is likely going to the state EOC or Red Cross, which are often in the state capital. If you can make that path by 2 meters, you may never need HF.

It all depends, tho, on your particular situation. Here in MI, the Red Cross is in Grand Rapids and the EOC is in Lansing. A really good 2 meter installation may make Lansing from the home QTH in Midland, but Grand Rapids is out of the question on VHF. Although phone is the default, the state ARES organization has been frequently forced to CW so CW isn't the oddball it may be in some places. Further, the NWS here no longer accepts phone reports - they have to come by CW or packet. The good news is that in Michigan we have a very strong CW traffic net. There is also a good packet net, but from here in the boonies, it isn't very accessible, so weather reports have to go out by CW.

To be useful, you need to know what is needed, and to know that, you need to be more than casually involved with your local ARES or RACES organization.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 23 Jul 2002 08:08:18 -0600
From: "Rod NORC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"cqc-l" <CQCLIST@yahoo.com>
Subject: [130463] FS VX-150
Message-ID: <000f01c23252\$65e4dd80\$6501a8c0@greyrock>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The following excess to my needs:

VX150, FNB-64 batt (manual inc.)
LCC-150TT leather case
qty 2, NC-72B Chargers
SMA to BNC adaptor
EDC5B Cig. plug power cable

\$165 takes the whole package, shipped CONUS

PIX available

All items in excellent condition and used little. The Batt is in good shape, always kept charged (and conditioned with Maha charger/conditioner).

73, Rod N0RC

Date: Tue, 23 Jul 2002 08:53:03 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130464] LINK FIXED Re: The " Rock-Mite" Files
Message-ID: <003901c23258\$a61378c0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OOPS!

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, July 23, 2002 7:23 AM
Subject: The " Rock-Mite" Files

...
> OK that's the deal, send me your best stuff and I'll get it in 'the
> "Rock-Mite" files', as quick as I can, for others to enjoy. The URL or
> 'the "Rock-Mite" files" is:
>
> http://www.radioactivehams.com/rm/the_Rock-Mite_files.html
>

SRI gang, I type the link wrong. It should be:

http://www.radioactivehams.com/~n0rc/rm/the_Rock-Mite_files.html

73, Rod N0RC

Date: Tue, 23 Jul 2002 10:09:20 -0500
From: "Walter AG5P" <walter@accessus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130465] Re: The tuner character, WHEN ADJUSTED
Message-ID: <000f01c2325a\$edc43720\$1d466ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, I don't think so! Swapping the L-Match with a 50 ohm load may work on some L-Matches, but just think about how the L is built. Normally the coil is in series with the antenna and the tuning cap is after the coil going to ground. That is the configuration you would use for 50+ ohm antenna.

Ok, so when you really have an antenna attached and do the swap from input to output, AND the antenna is +50 ohms it will not work. The swapped configuration is looking for an antenna of -50 ohms. But, you already knew that, right?

Most of the T-matches are a true bidirectional, but your meters on the matchbox are not going to read correctly.

73...Walter, AG5P

<<<snipped>>>

No to me bi-directional means if you tune up the tuner on a frequency to a load and then put the proper impedance load on the input you can put power into the output at that impedance.

For sure you can do this if the load is 50 ohms and the transmitter is also 50 ohms, I think...but this is easy to verify. It may not work.

Yes this is an easy test and I will use my good 50 ohm load and FT-817 as the transmitter. Hook it up normal and adjust the tuner to normal full power to the load. Then reverse coax connectors and see what happens.

Date: Tue, 23 Jul 2002 10:58:55 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [130466] 40M QRP DX!
Message-ID: <3.0.6.32.20020723105855.007ac100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hate to change the subject, but gotta crow about working 4X4WM on 40M CW last night (about 03:00 UTC), with about 4.5 watts on this end. He was rocking into NH, making the S meter on my HB rig dance, and that takes a good 60-70 uv signal to do that!

Sure pays to troll the bottom of the band late at night :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 23 Jul 2002 11:33:01 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-l@lehigh.edu
Cc: neqrp@jonal.net
Subject: [130467] NEQRP SSB NET tonight Tuesday 07:30PM EDST 7.287Mhz +- 5Khz
Message-ID: <0F88513C52.D9651275-0N85256BEB.0047E419@and.us.ray.com>
MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Pick up your mic and "key" the PTT.

Ron - N1ZSW

Date: Tue, 23 Jul 2002 11:33:15 EDT
From: NB6M@aol.com
To: qrp-1@Lehigh.EDU, w2eb@twcnny.rr.com
Subject: [130468] Re: AOL 7.0 Compatible with posting to the list? NO
Message-ID: <8b.1b568845.2a6ed13b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

Glad I didn't upgrade to AOL 7.0, as all the replies I've received say it is definitely NOT compatible with posting on the list, and AOL refuses to do anything about it.

One reply said that he has both AOL 5.0 and 7.0 loaded on his computer, and uses AOL 5.0 when he wants to post. All the others say that they use some other ISP so that they can post.

I would leave AOL, except that when I travel, as in Mexico in my boat, it is nice to have a service that has actual local phone numbers in the larger international cities, including Mexico.

Oh well, Thanks to all who replied.

72

Wayne NB6M

Date: Tue, 23 Jul 2002 09:12:42 -0700
From: pmurphy <w6wy@citlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130469] FS K2 #00068
Message-ID: <5.0.2.1.0.20020723090111.026810c0@pop3.citlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

K2 with all options except KAF2 and KPA100. V2.0 firmware. Yaesu knob and mic included. Built in 4:1 balun mod (totally reversible) using transverter holes on back. Beautiful radio, works FB. Asking \$1000 and I will ship UPS to lower 48.

Pete W6WY nr Redding CA

Date: Tue, 23 Jul 2002 12:47:31 -0400

From: "NZ8J" <timcook@erinet.com>

To: <qrp-l@lehigh.edu>

Subject: [130470] FS/Trade: S&S Engineering PC-1 digital readout

Message-ID: <006401c23268\$a3d79f40\$6122fea9@erinet.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Exc condition PC-1 digital readout made by S&S engineering (=
<http://www.sseng.com/>)

with power cube. \$75 or trade for a MFJ 945E Antenna tuner. (looking =
for the latest version with 6 meters and bypass switch)

Thanks=20

=20

Tim

NZ8J

Date: Tue, 23 Jul 2002 12:57:22 -0400

From: Tom Feeny <tfeeny@comcast.net>

To: *QRP-L <qrp-l@lehigh.edu>

Subject: [130471] Re: Texas Flooding and Emergency Radio Power

Message-ID: <000601c2326a\$05279ec0\$3a5c2044@waldlk01.mi.comcast.net>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

I see that the ARRL just got a \$181,000 grant from homeland security to develop a training program for amateurs. Don't know how that will differ from the RACES or AREC programs of the past.

Tom

> > but if an emergency developed, how much help could I be?

> I suspect the answer is, not much.

Date: Tue, 23 Jul 2002 10:09:43 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [130472] MBD301's
Message-ID: <GNEOLGDJDOPEALHJMKLCMECOCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Found a pouch of " MBD301 " I think they're 'hot carrier' diodes?

What are these puppies mostly used for? Seem chap - Dan's has 'em for 10/\$3

Learnin ... mostly about the pile of stuff I got lol
Tracy N4LGH

Date: Tue, 23 Jul 2002 13:21:41 -0400
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@lehigh.edu
Subject: [130473] OT: ARRL Section News
Message-ID: <3D3D5865.4296.1904B5BE@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I find it interesting that the ARRL BOD met July 19-20 to "vote" on moving Section News and Contest line scores to the Web. However, in their own news release, they say the web sites are "already in place." It does make one wonder what was the point of the vote, if it was already decided?

Also, what is to be done with the additional space in QST? Any bets it will be

used for advertising? How about expanding "QRP Power?"

That \$181,000 grant from the government for Emergency Communication...will the members be told what it is being spent for?

Just curious.

--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/ _/ _/ _/ _/ ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS Yes, and ARRL member paid up until 2010.

Date: Tue, 23 Jul 2002 10:41:01 -0700
From: Conrad Weiss <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>,
 "Tracy Markham" <tracy@bytemark.com>
Subject: [130474] RE: MBD301's
Message-ID: <01C23235.70F2A1C0@209-162-48-234.thegrid.net>

Hi Tracy,

Yep, Schottky Barrier Diodes.

>From the Motorola-men themselves: "Designed primarily for high-efficiency UHF and VHF detector applications. Readily adaptable to many other fast switching RF and digital applications. Supplied in an inexpensive plastic package for low-cost, high-volume consumer and industrial/commercial requirements. Also available in a Surface Mount package (SOT-23.)"

Here's the data sheet:

<http://onsemi.com.cn/pub/Collateral/DataSheet/mbd301rev0d.pdf>

Party on,

Conrad Weiss
NN6CW

From: Tracy Markham[SMTP:tracy@bytemark.com]
Sent: Tuesday, July 23, 2002 10:10 AM
To: Low Power Amateur Radio Discussion
Subject: MBD301's

Found a pouch of " MBD301 " I think they're 'hot carrier' diodes?

What are these puppies mostly used for? Seem chap - Dan's has 'em for 10/\$3

Learnin ... mostly about the pile of stuff I got lol

Tracy N4LGH

Date: Tue, 23 Jul 2002 13:59:28 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Stewart Bryant <stewart.bryant@virgin.net>
Cc: Stuart Rohre <rohre@arlut.utexas.edu>, <z1labs@extra.co.nz>,
<GQRP@yahooogroups.com>, QRP List <qrp-l@lehigh.edu>,
Subject: [130475] Re: [GQRP] 60m band concept in North America
Message-ID: <20020723132646.L77184-1000000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just a few short comments. Yes, Data CAN be a reliable mode of transmitting information. We use it every day here on the internet lists.

It has made a big change in our life styles, for good or bad, never the less it is a fact.

Because it is quick and relatively easy, does not in itself mean that it is always the best way to communicate.

Yes, the Navies of the World and the Merchant Vessles have recently dropped Morse Code (CW) as the Standard Means of exchanging information and determining where they are located.

Does that mean that we should throw away our Keys and Compasses?
I think NOT! When the "Chips are Down", {No pun intended :^} ,
I hope that some will have a Compass and Simple CW Xcvr as "BACKUP".

Have you ever been stuck in a Boat at Sea with no means of communicating?

Not fun, I assure you. Lost in the Mountains of Utah of Maine? The Snow Covered Tundra of Unalakleet, Alaska? Just a few places that come to my mind. We have many here who regularly hike the Appalatian Trail, They would consider it absolutely downright foolish not to have a Radio Transceiver in their backpack. Yes, they often carry a Cellular Phone, but that is only good if they are near enough to one of those AT&T Towers.

{Or O.C.C.'s :^}

I have recently thought that it would be great to have a little Pocket Transceiver for at least two bands that would Do CW and Data, Run off of a NIMH Battery Package or Alkaline AA Cells. Have Color Display and a SD/MMC slot, (Palm 505), a Simple Atu, and a Built in Antenna Wire on a reel. Keying via Simple Straight Key on a Phone Plug, or a "Badger Keyer with Paddles). Keyboard operation via the Palm "Desktop".

Is something far off? I think not. Several of the modules are available off the shelf. What we need is a "Homebrew Wizard" or Two to make it happen. I can think of a few other "Georges'", Who could make it happen. Unfortunately, I am not one of them, Else it would already be done. :^}

This all too much? O.K. then just go to <www.smallwonderlabs.com> and get yourself a Simple Single Bander from Dave and a BLT Atu from NorCal, some Wire and a few Batteries and Go out in the field and have some fun.

OH! I am Sorry, I forgot that this was a Discussion about CW vs Data on the 60 Meter Band (When we get it). I also heard that some of those Data Chaps were performing Miracles with Micro-Watts on the HF Bands and The Lowfers as well. Still, I guess I just Love the Music of CW? Since I am now Half Deaf, (Two CW Oscillator/Amplifiers in the ears), I can not enjoy Regular Music as Well as I used to be able to do. I have learned to appreciate the Music of a Single Note with a particular Beat! :^}

Thanks for making me think of how much fun I have been missing by sitting at this darn keyboard all day. :^} I think I will QRT now and Go Out for Lunch.

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 23 Jul 2002 13:59:28 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: BOATANCHORS@LISTSERV.TEMPE.GOV
Cc: QRP-L Reflector <qrp-l@lehigh.edu>,
Test Equipment Reflector <test-equipment@mailman.qth.net>
Subject: [130476] GDO revisions
Message-ID: <5.1.1.6.2.20020723133204.00af9590@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have FINALLY gotten the Lafayette GDOs page setup-and instead of having to download that HUGE (and unsatisfactory) PDF for the TE-18, you may now download the cover and the schematic-in JPG format. I spent a considerable amount of time cleaning up the schematic, so it should be easily read and more importantly, downloaded. I have just acquired (on ebay) a new one (GDO) from Germany... although it isn't here yet. It-and others, make the new totals 38 models by 26 manufacturers. See the Lafayette series at: <http://www.n4xy.com/gdos/GDO_Lafayette.html> and the GDOs page at: <<http://www.n4xy.com/gdos.html>>.

If you have interest in other GDOs/manuals... let me know. I seem to have lost a couple of requests.

I am extremely interested in obtaining GDOs from the (old) Soviet Union or China. Not to mention any others, that-based on my GDOs page-I don't have. I only know of one for certain: someone outbid me on a unit from EEB (Electronic Equipment Bank) that is actually a private-labelled version of the Taiwan-produced MFJ-201/NOVEX/etc.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 23 Jul 2002 18:09:37 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tracy@bytemark.com, qrp-1@lehigh.edu
Subject: [130477] Re: MBD301's
Message-ID: <F53eXczV440APdo810r0001f685@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tracy Markham" <tracy@bytemark.com>
>Reply-To: tracy@bytemark.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: MBD301's
>Date: Tue, 23 Jul 2002 10:09:43 -0700
>
>Found a pouch of " MBD301 " I think they're 'hot carrier' diodes?
>
>What are these puppies mostly used for? Seem chap - Dan's has 'em for 10/\$3
>
>Learnin ... mostly about the pile of stuff I got lol
>Tracy N4LGH

I used some MBD101s many years ago. They are made by Motorola, and used to be the cheapest hot-carrier diodes available. They are fine for mixers. You probably have one or two suitable cores lying around. 8-)

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Tue, 23 Jul 2002 12:16:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@lehigh.edu>
Subject: [130478] Fox - Summer Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0207231210290.13615-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #3 - KV2X -

The NE-TX Tornados - 10

George - W5YR *
Doc - W5TB * Clean
Eric - NM5M * Sweep
Don - K5DW *
Mike - KD5KXF *

The Raiders of the Lost RF - 10

Rob - VE6JAZ
Dan - VE6EX
Fred - VE3FAL
Earl - VA6RF *
Bruce - VE5RC *

The Piggie Team - 5

Jim - KJ0C *
Dave - WR50 *
Randy - W9HL
Wayne - K9DI
Diz - W8DIZ

The Cheeseheads - 10

Craig - VE4WI *
Jim - WA9TZE
Glenn - WE9K
Lon - W9XU
Rick - NK9G

The Cajun Thunder - 8

Wayne - K5E0A
Jim - N5IB
Vern - AA50 *
Wayne - N5YFC *
Tom - AC5JH

The Swamp Rats - 9

ET - N1FN
Doc - K0EVZ
Paul - K4FB *
Dennis - N4DD
Tom - N1TP *

The p-Shooters - 6

Jason - K0IIN
Gary - NQ7T

Jim - KC1FB
Tony - KB9YIG
Todd - N9NE

...as always, please send me corrections...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 23 Jul 2002 14:20:32 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: g7tok <gary.threlfall@littlewoods.co.uk>
Cc: GQRP@yahooogroups.com, QRP List <qrp-l@lehigh.edu>
Subject: [130479] Re: [GQRP] Small Wonder labs White Mountain SSB 20M
Message-ID: <20020723135957.077184-1000000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would like to recommend looking for a nice Die Cast Metal Box. I am not sure of the size of the rig, However, I do believe that Anything that Dave Benson makes is Good. Least wise, I have not seen anything from SWL yet that was not FIRST CLASS.

Guess that is why I recommend the "Die Cast Box" packaging plan. A custom machined Aluminum box would be even better. IMHO, A First Class Rig demands a First Class Package. Would you put a "GOLD COIN Collection" in a "Shoebox"??? Then why put a First Class Rig in an "Altoids Tin"? Don't get me wrong, I love "Altoids Tins" (and all things U.K. for that matter).

I just bought a whole case of the New "Altoids Citrus and Tangerine Sours."

You Betcha!, Mainly for the "Tins" Approximately Three inches in Diameter by one inch deep. Transceiver Projects, Keyers, Atu's, Test Equipment,

Antenna Containers, etc.,etc.,etc.

You can mount a Printed Circuit Board on the Top Lid with your Dial, and knobs, etc, and install anothe pcb inside of the top lid with all of the circuitry, and even fill the bottom with power package.

OOPs, I am giving out Secrets for the next generation of "Homebrewers Annomous aka "QRP - Altoids Radio Crazies International"

That special group of QRPers who must have everything in an "Altoids Type Tin" :^} {There is also a subgroup that must use Pomona or Other name brand Die Cast Boxes :^}

Time for another "Lemon Sour" and back into the dark...

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

On Tue, 23 Jul 2002, g7tok wrote:

> Hi,
> Any users of these little beauties out there ?
> Opinions please !
> I'm thinking of building the board, but stuck for an enclosure, any
> ideas ?
> Gary - G7TOK

>
>
> === Via the mailing list of the GQRP Club www.gqrp.com ===
>
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>
>
>

Date: Tue, 23 Jul 2002 12:21:13 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [130480] Fox - Summer Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0207231216250.13615-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #4 - N1FN -

The NE-TX Tornados - 11

orge - W5YR
Doc - W5TB
Eric - NM5M
Don - K5DW *
Mike - KD5KXF

The Raiders of the Lost RF - 14

Rob - VE6JAZ *
Dan - VE6EX
Fred = VE3FAL *
Earl - VA6RF *
Bruce - VE5RC *

The Piggie Team - 7

Jim - KJ0C
Dave - WR50
Randy - W9HL *
Wayne - K9DI *
Diz - W8DIZ

The Cheeseheads - 14

Craig - VE4WI *
Jim - WA9TZE *
Glenn - WE9K
Lon - W9XU *
Rick - NK9G *

The Cajun Thunder - 10

Wayne - K5E0A
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC

The Swamp Rats - 12

ET - N1FN *
Doc - K0EVZ
Paul - K4FB *
Dennis - N4DD

Tom - AC5JH

Tom - N1TP *

The p-Shooters - 9

Jason - K0IIN

Gary - NQ7T

Jim - KC1FB *

Tony - KB9YIG *

Todd - N9NE *

...as always please send me corrections...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 23 Jul 2002 14:23:14 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: tracy@bytemark.com
Cc: qrp-l@lehigh.edu
Subject: [130481] Re: MBD301's
Message-ID: <5.1.0.14.1.20020723142148.00a611f0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:09 AM 7/23/02 -0700, you wrote:

>Found a pouch of " MBD301 " I think they're 'hot carrier' diodes?
>
>What are these puppies mostly used for? Seem chap - Dan's has 'em for 10/\$3
>
>Learnin ... mostly about the pile of stuff I got lol
>Tracy N4LGH

Tracy,

Yes, they are hot carrier diodes for VHF/UHF detectors and fast switching applications. Would work fine in DBM service too.

URL for a data

sheet: <http://onsemi.com.cn/pub/Collateral/DataSheet/mbd301rev0d.pdf>

72,

Jim, K8IQY

Date: Tue, 23 Jul 2002 11:23:28 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [130482] RE: MBD301's
Message-ID: <GNEOLGDJDOPEALHJMKLCGEDBCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the info on the '301s. they seem to be a neat way to mess with switching and homebrew diode ring mixers.

Cool! Needed a good switcher ...
Tracy N4LGH

Date: Tue, 23 Jul 2002 13:36:10 -0400
From: "Mullin, Edward J." <mulline@tycoelectronics.com>
To: "'QRP'" <qrp-l@lehigh.edu>
Subject: [130483] Toroid, winding and testing.
Message-ID: <F1C60F6146F4DF4B902254ECAC17271D6A04FD@us358mx00>
MIME-Version: 1.0
Content-Type: text/plain

Hello,

I am replacing a molded choke in a pi-filter with a toroid. I would like to

check the toroid using an oscilloscope and a freq. generator to see what the actual frequency response is, can I just connect the RF Gen. through the Toroid to the O-scope and watch the amplitude as I change frequencies? I was thinking that the max amplitude would be at the freq. where the toroid was resonant, and this would be my target frequency. Yes? No?

73 de KB1HYS

Ed Mullin

Date: Tue, 23 Jul 2002 14:37:39 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: w2agn@w2agn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130484] Re: OT: ARRL Section News
Message-ID: <3D3DA273.5070006@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

W2AGN wrote:

> I find it interesting that the ARRL BOD met July 19-20 to "vote" on moving Section News and Contest line scores to the Web. However, in their own news release, they say
> the web sites are "already in place." It does make one wonder what was the point of the vote, if it was already decided?

The web sites will go online regardless. If the ARRL decides not to remove the info from QST after all (though I think it's a done deal at this point), they will still serve as an additional resource. The online section news, in particular, lets them get out time-sensitive news more quickly than a print publication would allow.

The section news is already online, and has been for some time. If you go to the ARRL web site and log in as a member, the home page offers you a link to the news for your section. You can also read the news for any section by clicking on "ARRL Info" on the home page and choosing "ARRL Sections"; the info does not appear to be restricted to members.

The contest results are also already online, in the "Operating Activities" section. Time-sensitivity isn't such a big issue here, but the online results do have some advantages; for example, you can search them for your call (if you installed the version of Acrobat Reader with search capability), rather than having to read through the listings looking for it. Some of the contest results are restricted to members only.

> Also, what is to be done with the additional space in QST? Any bets it will be used for advertising? How about expanding "QRP Power?"

QST's ratio of advertising and content has been relatively constant. I would expect, therefore, that the space would be used for content, not ads. Given current economics, however, some of the space might simply be dropped to reduce printing and shipping costs; the recession has caused a drop in the amount of advertising in QST.

Magazines don't publish "additional ads" just because they have space. In general, magazines accept all the advertising that people are willing to pay them for, so long as it meets whatever other criteria the magazine may have. (I believe that QST, for example, does not take advertising for products that are not related to amateur radio. There is a reason for that; income from amateur related advertising is part of their mission as a 501(c)(3) tax-exempt organization, and thus is not taxable income, but income from ads for non-amateur-radio products would be taxable income.) If the magazine receives more ads, they will also generally publish more editorial content; if they get fewer ads, they will cut back on content.

> That \$181,000 grant from the government for Emergency Communication...will the members be told what it is being spent for?

Right from the ARRL home page:

> The grant, from the Corporation for National and Community Service special volunteer program, will provide free ARRL Amateur Radio Emergency Communications Course training to 5200 volunteers nationwide, starting in 2003.

They have not yet announced when these free classes will be offered, or who will be eligible for them. The League already offers reasonably priced emergency communications classes, both in-person and as distance learning classes over the Internet. They are also currently offering free AREC level 1 classes to Connecticut residents, thanks to a grant from United Technologies.

\$181,000 / 5,200, by the way, comes to \$34.80 per student, which is somewhat less than the \$45 that the ARRL is currently charging its members for the online courses.

Date: Tue, 23 Jul 2002 11:43:24 -0700
From: "Bill Jones" <kd7s@psnw.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130485] MFJ-616
Message-ID: <000901c23278\$d45c2c70\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friends,

Do any of you have any first-hand experience with MFJ's 616 "Speech Intelligibility Enhancer"? Like a lot of other old geezers, my hearing has deteriorated to the point where it is often very difficult for me to understand SSB, especially under noisy or crowded band conditions. The MFJ-616 sounds like something that might help but I get a little gun shy when I read the fantastic claims made on the MFJ web page.

=====
Bill Jones - <><
Sanger, California
=====

Date: Tue, 23 Jul 2002 14:51:54 -0400
From: "Lee Mairs" <lmairs@cox.net>
To: <w2agn@w2agn.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130486] Re: ARRL Section News
Message-ID: <011801c2327a\$039c0270\$6401a8c0@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yeah, Me too.
73 de Lee
km4yy

----- Original Message -----
From: "W2AGN" <w2agn@w2agn.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, July 23, 2002 1:21 PM
Subject: OT: ARRL Section News

> I find it interesting that the ARRL BOD met July 19-20 to "vote" on moving

Section News and Contest line scores to the Web. However, in their own news release, they say

> the web sites are "already in place." It does make one wonder what was the point of the vote, if it was already decided?

>

> Also, what is to be done with the additional space in QST? Any bets it will be used for advertising? How about expanding "QRP Power?"

>

> That \$181,000 grant from the government for Emergency Communication...will the members be told what it is being spent for?

>

> Just curious.

>

> --

>

> / \ / \ / \ / \ / \ John L. Sielke

> (W) (2) (A) (G) (N) <http://www.w2agn.net>

> _ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB

> Ex- K3HLU, W7JEF, W4MPC, N4JS Yes, and ARRL member paid up until 2010.

>

>

Date: Tue, 23 Jul 2002 15:08:53 -0400

From: Ed Tanton <n4xy@earthlink.net>

To: QRP-L Reflector <qrp-l@lehigh.edu>

Cc: NoGA reflector <nogaqrp@mailman.qth.net>

Subject: [130487] Fwd: WWV-Message

Message-ID: <5.1.1.6.2.20020723150807.00b03638@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>

>Date: Tue, 23 Jul 2002 18:03:01 GMT

>From: Space Environment Center <sec@sec.noaa.gov>

>To: wwv-list-send@dawn.sec.noaa.gov

>Subject: WWV-Message

>Sender: sec@sec.noaa.gov

>Reply-To: sec@sec.noaa.gov

>

>:Product: Geophysical Alert Message [wwv.txt](#)

>:Issued: 2002 Jul 23 1803 UTC

># Prepared by the US Dept. of Commerce, NOAA, Space Environment Center

>#

># Geophysical Alert Message
>#
>Solar-terrestrial indices for 22 July follow.
>Solar flux 190 and mid-latitude A-index 15.
>The mid-latitude K-index at 1800 UTC on 23 July was 3 (30 nT).
>
>Space weather for the past 24 hours has been strong.
>Solar radiation storms reaching the S1 level occurred.
>Radio blackouts reaching the R3 level occurred.
>
>Space weather for the next 24 hours is expected to be minor.
>Solar radiation storms reaching the S1 level are expected.
>Radio blackouts reaching the R1 level are expected.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 23 Jul 2002 15:22:31 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: mulline@tycoelectronics.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130488] Re: Toroid, winding and testing.
Message-ID: <5.1.1.6.2.20020723150927.00aacd08@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yes you can... although a 'real' sweep generator would have better clarity of presentation. What you're going to see-if you put your RF into the filter, vary the frequency, and look at the output side-is: amplitude vs frequency.

Ideally, if it is a "filter", its output over the range of frequencies you

DON'T WANT to get through will be minimal. You are less concerned with resonance-unless it occurs within the 'reject passband'. You can measure the 'loss' within your passband range, and calculate the actual filter parameters. Most such filters are expecting a load of some sort. Your measurements should involve the use of some sort of output load. If you do not know the load, use a non-inductive 50 ohm resistor (a carbon 1/2W for example/or metal film 1/4W.) Tektronix used to actually make a 50 ohm feedthrough termination to insure that there was 50 ohms somewhere during testing. You might also try 200 ohms. Sometimes, xtal and mech filters expect an impedance around that value.

The primary difference between toroids and 'regular' inductors, is that toroids are self-shielding. This means that other 'things' in the vicinity of the inductor will affect it LESS... although it will not be entirely shielded.

At 01:36 PM 2002-07-23, Mullin, Edward J. wrote:

>Hello,

>

>I am replacing a molded choke in a pi-filter with a toroid. I would like to
>check the toroid using an oscilloscope and a freq. generator to see what the
>actual frequency response is, can I just connect the RF Gen. through the
>Toroid to the O-scope and watch the amplitude as I change frequencies? I
>was thinking that the max amplitude would be at the freq. where the toroid
>was resonant, and this would be my target frequency. Yes? No?

>

>73 de KB1HYS

>

>Ed Mullin

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;

SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 23 Jul 2002 15:50:33 -0400
From: W2AGN <w2agn@w2agn.net>
To: n4xy@earthlink.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [130489] Re: Fwd: WWV-Message
Message-ID: <3D3D7B49.10503.198D0582@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 23 Jul 2002 at 15:08, Ed Tanton wrote:

, Space Environment Center
> >#
> ># Geophysical Alert Message
> >#
> >Solar-terrestrial indices for 22 July follow.
> >Solar flux 190 and mid-latitude A-index 15.
> >The mid-latitude K-index at 1800 UTC on 23 July was 3 (30 nT).
> >
> >Space weather for the past 24 hours has been strong.
> >Solar radiation storms reaching the S1 level occurred.
> >Radio blackouts reaching the R3 level occurred.
> >
> >Space weather for the next 24 hours is expected to be minor.
> >Solar radiation storms reaching the S1 level are expected.
> >Radio blackouts reaching the R1 level are expected.
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>
>
> Ed Tanton N4XY
> 189 Pioneer Trail
> Marietta, GA 30068-3466

That sounds innocuous, but this one doesn't:

G2-level Geomagnetic storm forecast for
0200 - 1400, JUL 24 02 UTC. Major X4.8
Flare with CME is cause. Aurora likely in
mid-latitudes. Elevated solar wind
expected. Some fading as well as radio
blackouts likely.

More info: <http://prop.hfradio.org/>

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 23 Jul 2002 14:12:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [130490] Feedline Test
Message-ID: <Pine.LNX.4.44.0207231411370.1754-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The purpose of this test is to see if a semi random load impedance can be loaded without large loss with a MFJ-914 4 pole network. It is necessary to use a coax feed line so a common ground at the load will not defeat the measurements. Tests will be made to assure the load measurement does not effect the experiment.

Equipment: 200 feet of RG-213 coax with connectors at each end; FT-817 radio, measured load, an oscilloscope to measure voltage across the resistor (and from that compute the power to the resistor), and the Vertronics VEC-584B.

Step 1:

Make a load that will have a SWR of 5.0 on 3.50 MHz using 50 ohm feed line. I fooled around and with the Analyzer measured a 19 ohm 1 watt resistor in series with a 910 pf capacitor to have a $Z=50$ ohms and $SWR=5.0$ and when I used this data in my program it said the resistor is 19.23 ohms and the capacitor is 980 pf. So the load is going to be this value. A picture of the load is at Fig. 1.

Step 2:

Measure the power at the resistor without the tuner, with the load direct connected to the radio. Equipment is radio set to 1 watt output, and Techtronix 422 Oscilloscope with a 10:1 cable. The scope read 4.4 blocks peak-to-peak on the .2 volt/block range with a 10 to 1 probe which means it read 4.4 blocks of 2 volts/block which is 8.8 volts peak-to-peak. Fig 2.

This results in an RMS voltage of 4.4 volts peak/(square root of 2) which is 3.1 volts rms. Power is V^2/R which is $9.68/19 = 0.51$ watts. So with a direct connected Load we get about half of the output to the resistance.

Step 3:

Put load on the tuner output and tune up for a 1:1 match to the radio. This worked fine and the result is that I'm getting almost exactly 4.4 volts peak to peak so still getting just 0.51 watts to the resistor. Re-measured and this is correct. The coax connection to the load is about 3 feet long of RG-58B coax. At 3.5 MHz it has very low loss. I removed the scope probe and it had no effect on the tuning.

Step 4:

This is a sanity check. I replaced the load with a 50 ohm 2 watt resistor and calculated from the measured voltage that I am getting 1.0 watts to this resistor. Putting the 50 Ohm resistor right on the back of the radio got 4.1 times 5 volts or 20.5 volts pp or 10.25 p or 7.247 Vrms and that's 1.05 watts. That is what the radio is supposed to deliver in this power setting. I see no measurable loss through the tuner.

Step 5: I have a very long piece of RG-213, about 200 feet. I will put connectors on it. Did that and have it running from the output of the tuner to the load and after a slight re tune I read 4.8 squares each square is 2 volts pp or 9.6 volts pp. This is $9.6/2 = 4.8$ volts peak. This is 3.394 volts RMS and the power is 0.61 watts! I shorted one end and the SWR was 12.9:1. This means the loss in this cable at 3.5 MHz is about 0.7 DB.

Step 6: Put the load back on the output of the tuner without any feed line. I get 4.1 squares that comes out 8.2 v-pp or 0.44 watts.

Conclusions:

When I ran the signal through 200 feet of RG-213 I saw an increase in power into a complex load with an SWR of 5.0 compared to what I get with no feed line. It's an increase from 0.44 to 0.61 watts when the input power was 1.0 watts both measured through the tuner. The tuner had to be tuned with care, just a small mis-tuning would knock the power way down.

With the Load direct on the output of the radio it showed a high SWR but did put 0.51 watts into the resistor. This is a measure of how well the radio can feed poor loads.

I have no idea why adding 0.7 DB of attenuation in the system

increased the power going into the 19 ohm resistor, but it did. This must be some measure of the thing called conjugate matching. But I have no idea what it is even reading Maxwell and others on this list.

The effect does get more power to the load even when it's a very poor match to the characteristic impedance of the line (50 ohms).

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Tue, 23 Jul 2002 16:19:44 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130491] Re: Feedline Test
Message-ID: <3D3D8220.24832.19A7BEC1@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 23 Jul 2002 at 14:12, Karl F. Larsen wrote:

BIIGGGG Snip>

> I have no idea why adding 0.7 DB of attenuation in the system
> increased the power going into the 19 ohm resistor, but it did. This must be
> some measure of the thing called conjugate matching. But I have no idea what
> it is even reading Maxwell and others on this list.

>

> The effect does get more power to the load even when it's a very poor
> match to the characteristic impedance of the line (50 ohms).

>

>

Well folks, it''s happened. A member of QRP-L has come up with coax WITH GAIN! No more big amplifiers. You can run QRP, and still have a KW at the antenna, just use Karl's Patented Gain Coax! (with built in conjugate match). Truly amazing. Only an EE Phd could have the mathematical skills and intelligence to invent such a thing! I want 500' right away!

Next up, Perpetual Motion?

--

/_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 23 Jul 2002 13:34:17 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: <kd7s@psnw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [130492] Re: MFJ-616
Message-ID: <007801c23288\$658a51e0\$c5142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please answer this on on the reflector. This old geezer would like to know too.

Bob Baxter AA7EQ
Bisbee, Az.

> Friends,
>
> Do any of you have any first-hand experience with MFJ's 616 "Speech
> Intelligibility Enhancer"? Like a lot of other old geezers, my
hearing has
> deteriorated to the point where it is often very difficult for me to
> understand SSB, especially under noisy or crowded band conditions.
The
> MFJ-616 sounds like something that might help but I get a little gun
shy
> when I read the fantastic claims made on the MFJ web page.
> =====
> Bill Jones - <><
> Sanger, California
> =====
>
>

Date: Tue, 23 Jul 2002 15:41:17 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [130493] Weird Part
Message-ID: <001a01c23289\$4e57f210\$85372bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I got my hands on 100 audio transformers....but I don't know what to do with them.

They are marked Audio Transformer TYPE 70-H-28, Primary Z is 170 Ohm and Secondary Z is 100K ohm with zero mA DC.

They are made in Japan, they're new old stock.

What can we do with them??

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Tue, 23 Jul 2002 16:41:39 -0400
From: "Hudson, Steve (RBI-US CMD)" <sdhudson@reedbusiness.com>
To: qrp-l@lehigh.edu
Subject: [130494] 624 VFOs
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE1330185CA10@BINCMDGNOREXC02>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

The 7 mhz unit is spoken for; the 10 mhz one is still available.

For sale: 624 Kits VFO-2 VFO board built for 10 MHz. Includes single-bearing Millen air variable, panel mount, plus some extra torroids and NP0 caps for the experimentally inclined. \$25.

Among the treasures unearthed in the last round of cleaning was this 624 Kits "VFO-2" VFO board. This company used to operate out of South Carolina and produced a number of very nice kits.

I built this one a good many years ago one for 10 MHz. I checked it out just now, and it works fine. Very stable! The VFO circuit uses two FETs (MPF 102 (here) or 2N4416, plus another MPF102) and a 2N2222 buffer. The circuit also includes a "shift" feature, and an onboard trimmer allows setting the VFO as desired in the band of interest.

I'll include the air variable that I used to use with it.

Note that this is just the built-up boards with a variable cap. You'll need to add your own cabinet, connectors, etc. Of course, you can fine-tune the tuning range by fiddling with the caps on the board or by putting an NP0 cap in series with the air variable to reduce tuning range. If you've homebrewed VFOs, you'll know what to do to get the range and tuning rate you desire.

Includes original documentation.

Plus shipping from 30004.

Thanks,

Steve AA4BW

Date: Tue, 23 Jul 2002 14:43:36 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [130495] SWAP
Message-ID: <000701c23289\$9f543700\$25cd1341@callahan>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have 55 crystals mixed freqs and 7 crystal bases for swap for a real small set of paddles to use mobile on my 817 contact direct colcal@srv.net Thanks
Cal KF7ET

Date: Tue, 23 Jul 2002 15:50:11 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [130496] white mountain 20 and cw
Message-ID: <3.0.6.32.20020723155011.00798550@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I seem to remember reading about a mod for the white mountain 20, which added cw operation, and the low end of the band. Is my brain headed south or does this exist? If so, where to find?
Gary Lee
Ball State University
765-285-1310

Date: Tue, 23 Jul 2002 13:56:44 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp" <qrp-l@lehigh.edu>
Cc: "azqrp" <azqrp@extremezone.com>
Subject: [130497] Tuthill campground is open
Message-ID: <001501c2328b\$74e67b20\$804998d0@bobscomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jeff Johnson just notified me that the Board of Supervisors has opened the campgrounds at Fort Tuthill. Campfires are not permitted, and there are still no showers, but at least we have the trees and shade.

We will, like last year, have provisions for showers in a close local motel.

And, we are making arrangements for a cookout on Saturday night, so plan on

being there for that. The fare might be a bit pedestrian, but it will be free :^)

Bob NK7M

Date: Tue, 23 Jul 2002 21:03:11 +0100
From: Wayne Scace <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130498] Tnx, but already getting a 520
Message-ID: <5.1.0.14.0.20020723210148.0317e9a8@POP3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. Tnx or all the emails, but need to turn off the faucet now. I have completed a deal on a 520.
73/72

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
k9di@qsl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
QRPp-L# 243
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800
<http://www.qsl.net/k9di>

Date: Tue, 23 Jul 2002 14:24:08 +0100
From: "Dick" <dick@g0bps.fsnet.co.uk>
To: <rattray@gpfn.sk.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [130499] Re: A little story...or QRP fun!

Message-ID: <000201c2328c\$3a5e8b40\$72fafea9@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

> I remembered that 33 feet was 40 mtrs so we just halved that, put a dipole
together for 20
> mtrs,

I just love this conversion from feet to metres!

33 feet is actuall nearer 10m than 40m !!!!!

Dick G0BPS
G-QRP Club SSB Manager
Vice President QRP-ARCI,

dick@trickie.com or g0bps@gqrp.com

Date: Fri, 23 Aug 2002 17:11:51 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <fpqrp-l@mpna.com>, <qrp-l@lehigh.edu>
Subject: [130500] Re: [fpqrp] Weird Part
Message-ID: <006d01c24ae9\$b3aefbe0\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

you really want to know?

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----
From: "Brian" <brian@iquest.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>; "Pigs" <fpqrp-l@mpna.com>
Sent: Tuesday, July 23, 2002 4:41 PM
Subject: [fpqrp] Weird Part

Hi gang,

I got my hands on 100 audio transformers....but I don't know what to do with them.

They are marked Audio Transformer TYPE 70-H-28, Primary Z is 170 Ohm and Secondary Z is 100K ohm with zero mA DC.

They are made in Japan, they're new old stock.

What can we do with them??

Date: Tue, 23 Jul 2002 17:09:11 -0400
From: Donn Kuse <casey.jay@gte.net>
To: w2agn@w2agn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130501] Re: OT: ARRL Section News
Message-ID: <3D3DC5F7.3C01BAD0@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

I believe ARRL commented that the additional space will be used for" more in-depth coverage of general news, public service activities and how-to aftricles aimed at involving more amateurs in emergency preparedness."

Maybe not QRP power, but possibly emergency power in general, solar power? Who knows.

But it doesn't look like it will be advertising. Guess we'll just to wait and see.

72/73 Donn, WB4ZWT

67 and still learning

W2AGN wrote:

> I find it interesting that the ARRL BOD met July 19-20 to "vote" on moving Section News and Contest line scores to the Web. However, in their own news release, they say

> the web sites are "already in place." It does make one wonder what was the point of the vote, if it was already decided?
>
> Also, what is to be done with the additional space in QST? Any bets it will be used for advertising? How about expanding "QRP Power?"
>
> That \$181,000 grant from the government for Emergency Communication...will the members be told what it is being spent for?
>
> Just curious.
>
> --
>
> / \ / \ / \ / \ / \ John L. Sielke
> (W)(2)(A)(G)(N) <http://www.w2agn.net>
> _ / _ / _ / _ / _ / ARCI, NJQRP, ARQrp, GQRP, RSGB
> Ex- K3HLU, W7JEF, W4MPC, N4JS Yes, and ARRL member paid up until 2010.

Date: Tue, 23 Jul 2002 16:09:36 -0500
From: <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [130502] WTB SW-30+
Message-ID: <20020723210936.14353.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Still looking for a SW-30+ to use bicycle mobile. Have found a couple of SW-30's, but really looking for a plus because of the earlier problem with SWB interference. Thanks.

mike
wb5yjx

Date: Tue, 23 Jul 2002 14:22:43 -0700
From: <kg6cyn@earthlink.net>
To: dick@g0bps.fsnet.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130503] Re: A little story...or QRP fun!
Message-ID: <Springmail.0994.1027459363.0.87615000@webmail.pas.earthlink.net>

Dick,

I think he means that 33 feet is the length of a 1/4 wave section of an antenna for the 40 meter band, not 40 meters in length... ;-)

And yes if you cut both 33' legs of your 40 meter dipole in half, that'll give you aprox. a 20 meter antenna...

73's Trev KG6CYN

On Tue, 23 Jul 2002 14:24:08 +0100 Dick <dick@g0bps.fsnet.co.uk> wrote:

Hi gang,

> I remembered that 33 feet was 40 mtrs so we just halved that, put a dipole together for 20
> mtrs,

I just love this conversion from feet to metres!

33 feet is actuall nearer 10m than 40m !!!!!!!

Dick G0BPS
G-QRP Club SSB Manager
Vice President QRP-ARCI,

dick@trickie.com or g0bps@gqrp.com

Date: Tue, 23 Jul 2002 14:23:32 -0700
From: Brian Kassel <bkassel@mato.com>
To: Bob Hightower <nk7m@extremezone.com>
Cc: qrp <qrp-l@lehigh.edu>, azqrp <azqrp@extremezone.com>
Subject: [130504] Re: [azqrp] Tuthill campground is open
Message-ID: <3D3DC954.9D93C25@mato.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob and Gangue:

This news surely made my day! OK folks, no need to worry about Tuthill any longer. It's time to gather up the tent, the cooler, and few bucks and head to Flagstaff. If you've never been, you will be glad that you did. If you have been before, then you already know what I am talking about. The ScQRPions, as always are geared up to provide you with a truly amazing QRP experience.

Brian K7RE
Spearfish SD
Black Hills

Bob Hightower wrote:

>
> Jeff Johnson just notified me that the Board of Supervisors has opened the
> campgrounds at Fort Tuthill. Campfires are not permitted, and there are
> still no showers, but at least we have the trees and shade.
>
> We will, like last year, have provisions for showers in a close local motel.
>
> And, we are making arrangements for a cookout on Saturday night, so plan on
> being there for that. The fare might be a bit pedestrian, but it will be
> free :^)
>
> Bob NK7M

Date: Tue, 23 Jul 2002 16:01:24 -0600 (MDT)
From: Brian Mileschosky <n5zgt@swcp.com>
To: Donn Kuse <casey.jay@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130505] Re: OT: ARRL Section News
Message-ID: <Pine.GS0.4.10.10207231559200.9458-100000@inago.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I write a monthly youth column on the website and have always thought something like that (written by me, or anyone else) is most deserving to be in Amateur Radio's main magazine... We need 'em, and it's a great way to promote to potential and existing young hams.

Perhaps some email to the ARRL might clue them in. Anyway, check my column out at www.arrl.org

72,

Brian, N5ZGT

On Tue, 23 Jul 2002, Donn Kuse wrote:

> Hi All,
> I believe ARRL commented that the additional space will be used for" more in-
depth coverage of general news, public service activities and how-to aftricles
aimed at
> involving more amateurs in emergency preparedness."
> Maybe not QRP power, but possibly emergency power in general, solar power? Who
knows.
> But it doesn't look like it will be advertising. Guess we'll just to wait and
see.
> 72/73 Donn, WB4ZWT
> 67 and still learning
>
> W2AGN wrote:
>
> > I find it interesting that the ARRL BOD met July 19-20 to "vote" on moving
Section News and Contest line scores to the Web. However, in their own news
release, they say
> > the web sites are "already in place." It does make one wonder what was the
point of the vote, if it was already decided?
> >
> > Also, what is to be done with the additional space in QST? Any bets it will be
used for advertising? How about expanding "QRP Power?"
> >
> > That \$181,000 grant from the government for Emergency Communication...will the
members be told what it is being spent for?
> >
> > Just curious.
> >
> > --
> >
> > /_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke
> > (W)(2)(A)(G)(N) <http://www.w2agn.net>
> > _/ _/ _/ _/ _/ ARCI, NJQRP, ARQrp,GQRP,RSGB
> > Ex- K3HLU, W7JEF, W4MPC, N4JS Yes, and ARRL member paid up until 2010.
>
>

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at <http://www.unm.edu/~brianm>

Date: Tue, 23 Jul 2002 17:11:54 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'brian@iquest.net'" <brian@iquest.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130506] RE: Weird Part (Audio Transformers)
Message-ID: <01C2326C.71C9C2E0@KKANALZ>

For one thing, Brian, those transformers (depending on their audio response) can be used as a Lo-Z microphone (or other audio source) to tube-type grid input, or an "old-fashioned" tube rig, such as the Drake R-4B or Collins 75S-x or Hallicrafters tube rigs (they had a Hi-Z microphone input impedance).

What is their physical size? What is their "shape factor" ? What kind of housing do they have?

Karl K - W8TIF
(the "real" Karl!)
McKinney, Texas

-----Original Message-----
From: Brian [SMTP:brian@iquest.net]
Sent: Tuesday, July 23, 2002 3:41 PM
To: Low Power Amateur Radio Discussion
Subject: Weird Part

Hi gang,

I got my hands on 100 audio transformers....but I don't know what to do with them.

They are marked Audio Transformer TYPE 70-H-28, Primary Z is 170 Ohm and Secondary Z is 100K ohm with zero mA DC.

They are made in Japan, they're new old stock.

What can we do with them??

=====

KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695

FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Tue, 23 Jul 2002 17:54:37 -0500
From: "George, W5YR" <w5yr@att.net>
To: rbaxter@cybertrails.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [130507] Re: MFJ-616
Message-ID: <3D3DDEAD.3E87A884@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A Behringer MX602A Mixer/EQ unit will provide all the frequency compensation you are likely to need. Connect your receiver to it and either use the Headphones output or drive an external amp and speaker system, as I do. Excellent audio and you can make the received audio sound best for your ears.

The 602 costs \$70 - compare that price with the MFJ. The 602 is professional audio gear - compare that with the MFJ . . .

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

> > Friends,
> >
> > Do any of you have any first-hand experience with MFJ's 616 "Speech
> > Intelligibility Enhancer"? Like a lot of other old geezers, my
> hearing has
> > deteriorated to the point where it is often very difficult for me to
> > understand SSB, especially under noisy or crowded band conditions.
> The
> > MFJ-616 sounds like something that might help but I get a little gun
> shy

> > when I read the fantastic claims made on the MFJ web page.
>

End of QRP-L Digest 2625
